

PDG Reviews Responsibilities

PDG review responsibilities as of January 22, 2025. Please refer to the *Responsibility* or *Reviews* tools in *Pdg-Workspace* for the current assignment of review responsibilities.

Overseer	Coordinator	Review title and authors
Agashe	Bonventre	Dynamical Electroweak Symmetry Breaking: Implications of the H0 K. Black, G. Cacciapaglia, A. Lister
Amsler	Beringer	Spectroscopy of Light Meson Resonances C. Amsler, A. Masoni, G. Venanzoni
Amsler	Beringer	Scalar Mesons below 1 GeV T. Gutsche, C. Hanhart, R. Mitchell, S. Spanier
Amsler	Beringer	K*(892) Masses and Mass Differences STATIC REVIEW OR AUTHOR(S) TBD
Amsler	Beringer	Spectroscopy of Mesons Containing Two Heavy Quarks J.J. Hernández-Rey, C. Lourenço, R. Mitchell, S. Navas, C. Patrignani
Amsler	Beringer	Charmonium System R. Mitchell, S. Navas
Amsler	Beringer	Bottomonium System R. Mitchell, S. Navas
Amsler	Beringer	Width Determination of the Upsilon States STATIC REVIEW OR AUTHOR(S) TBD
Amsler	Beringer	Heavy Non-qqbar Mesons T. Gutsche, C. Hanhart, R. Mitchell
Amsler, Zyla	Beringer	Branching Ratios of psi(2S), chi(c0,1,2) and eta(c)(1S) J.J. Hernández-Rey, R. Mitchell, S. Navas, C. Patrignani
Barnett		Quark Masses R.M. Barnett, L. Lellouch, A.V. Manohar
Bettini		Neutrino Masses, Mixing, and Oscillations M.C. Gonzalez-Garcia, R. Wendell
Bettini		Cosmic Rays J. Alvarez-Muñiz, Z. Cao, U. Katz, P. Mertsch, C. Spiering
Bettini		Particle Detectors for Non-Accelerator Physics
Bettini		[SECTION] Introduction A. Bettini
Bettini		[SECTION] High-energy cosmic-ray hadron and gamma-ray detectors

Bettini		[SECTION] Atmospheric fluorescence detectors F. Salamida
Bettini		[SECTION] Atmospheric Cherenkov telescopes for high-energy gamma ray astronomy W. Hofmann
Bettini		[SECTION] Large neutrino detectors
Bettini		[SECTION] Deep liquid detectors for rare processes J. Cao
Bettini		[SECTION] Neutrino telescopes U. Katz, C. Spiering
Bettini		[SECTION] Radio emission from (ultra-)high energy particle showers S. Klein, A. Nelles
Bettini		[SECTION] Large time-projection chambers for rare event detection L. Baudis
Bettini		[SECTION] Sub-kelvin detectors O. Cremonesi, L. Hsu, G. Signorelli
Bettini		[SECTION] Low-radioactivity background techniques Al. Ianni, S. Schönert
Bettini		Neutrinoless Double-beta Decay A. Piepke
Bettini		Free Quark Searches A. Bettini

Bonventre		Online Particle Physics Information K. Assamagan, H. O'Connell
Bonventre		International System of Units (SI) STATIC REVIEW OR AUTHOR(S) TBD
Bonventre		Electronic Structure of the Elements STATIC REVIEW OR AUTHOR(S) TBD
Bonventre		Passage of Particles Through Matter D.E. Groom, S. Klein
Bonventre		Machine Learning J. Duarte, U. Seljak, K. Terao
Bonventre		Kinematics D. Miller, D.R. Tovey
Bonventre		W'-Boson Searches B. Dobrescu, N. Saoulidou
Bonventre		Z'-Boson Searches B. Dobrescu, N. Saoulidou

Dreiner		Supersymmetric Model Assumptions H.K. Dreiner
Dreiner	Barnett	Supersymmetry, Part I (Theory) B.C. Allanach, H.E. Haber
Dreiner	Barnett	Supersymmetry, Part II (Experiment)

Gherghetta, Robinson		Extra Dimensions Z. Demiragli, A. Pomarol
Grab	Lin	Muon Decay Parameters W. Fetscher
Groom		Periodic Table of the Elements D.E. Groom
Groom		Atomic and Nuclear Properties of Materials D.E. Groom
Groom		Electromagnetic Relations STATIC REVIEW OR AUTHOR(S) TBD
Groom		Commonly Used Radioactive Sources D.E. Groom
Grunewald, Gurtu	Pianori	Mass and Width of the W Boson M. Grunewald, A. Gurtu, J. Kretzschmar
Grunewald, Gurtu	Pianori	Extraction of Triple Gauge Couplings (TGC's) M. Grunewald, A. Gurtu, J. Kretzschmar
Grunewald, Gurtu	Pianori	Anomalous W/Z Quartic Couplings (QGCs) M. Grunewald, A. Gurtu, J. Kretzschmar
Grunewald, Gurtu	Pianori	Z Boson M. Grunewald, A. Gurtu, J. Kretzschmar
Grunewald, Gurtu	Pianori	Anomalous Z Z gamma, Z gamma gamma, and Z Z V Couplings M. Grunewald, A. Gurtu, J. Kretzschmar
Lin		History Plots C.-J. Lin, P.A. Zyla
Lin		Structure Functions E.C. Aschenauer, R.S. Thorne, R. Yoshida
Lin		Neutrino Beam Lines at High-Energy Proton Synchrotrons C.-J. Lin
Lin		Radioactivity and Radiation Protection S. Roesler, M. Silari
Lin		Monte Carlo Neutrino Generators H. Gallagher, Y. Hayato
Lin		Neutrino Cross Section Measurements G.P. Zeller
Lin		Plots of Cross Sections and Related Quantities
Lin		[SECTION] Pseudorapidity Distributions in p p and pbar p Interactions STATIC REVIEW OR AUTHOR(S) TBD
Lin		[SECTION] Average Hadron Multiplicities in Hadronic e+ e- Anihilation Events O. Biebel
Lin		[SECTION] Annihilation Cross Section Near M(Z)

		M. Grünewald
Lin		Muon Anomalous Magnetic Moment STATIC REVIEW OR AUTHOR(S) TBD
Lin		Number of Light Neutrino Types from Collider Experiments C.-J. Lin
Lin		Neutrino Properties A. Piepke
Lin		Sum of Neutrino Masses K. Olive
Lin		Form Factors for Semileptonic Kaon (K(lepton3)), Radiative Pion (pi(lepton 2gamma)) and Kaon (K(lepton 2gamma)) Decays M.A. Bychkov, G. D'Ambrosio
Lin		Charged Kaon Mass STATIC REVIEW OR AUTHOR(S) TBD
Lin		Rare Kaon Decays L. Littenberg, G. Valencia
Lin		Dalitz Plot Parameters for $K \rightarrow \ell 3\pi$ Decays STATIC REVIEW OR AUTHOR(S) TBD
Lin		CPT Invariance Tests in Neutral Kaon Decay M. Antonelli, G. D'Ambrosio, M. Sozzi
Lin		CP Violation in $K(S)0 \rightarrow \ell 3\pi$ STATIC REVIEW OR AUTHOR(S) TBD
Lin		$V(u_d)$, $V(u_s)$ the Cabibbo Angle, and CKM Unitarity E. Blucher, G. D'Ambrosio
Lin		CP Violation in $K(L)0$ Decays C.-J. Lin
Lin		Baryon Decay Parameters STATIC REVIEW OR AUTHOR(S) TBD
Lin		Radiative Hyperon Decays STATIC REVIEW OR AUTHOR(S) TBD
Lin		Introductory Text to Neutrino Mixing C.-J. Lin
Lin		$\Delta S = \Delta Q$ in $K0$ Decays C.-J. Lin

Milstead	Bettini	Magnetic Monopoles D. Milstead
Milstead	Robinson	Fragmentation Functions in $e^+ e^-$, $e p$, and $p p$ Collisions O. Biebel, D. de Florian, D. Milstead, W. Vogelsang

Moenig	Pianori	tau Branching Fractions Sw. Banerjee, A. Lusiani
Moenig	Pianori	tau-Lepton Decay Parameters A. Stahl

Olive		Astrophysical Constants and Parameters D.E. Groom, D. Scott
Olive		Experimental Tests of Gravitational Theory T. Damour

Olive	Big-Bang Cosmology K. Olive, J.A. Peacock
Olive	Inflation J. Ellis, D. Wands
Olive	Big-Bang Nucleosynthesis B. Fields, P. Molaro, S. Sarkar
Olive	Cosmological Parameters O. Lahav, A. Liddle
Olive	Neutrinos in Cosmology J. Lesgourgues, L. Verde
Olive	Dark Matter L. Baudis, S. Profumo
Olive	Dark Energy D.H. Weinberg, M. White
Olive	Cosmic Microwave Background D. Scott, G.F. Smoot
<hr/>	
Pianori	Naming Scheme for Hadrons C. Amsler, E. Pianori, D.J. Robinson, R. Workman
Pianori	Electroweak Model and Constraints on New Physics J. de Blas, Stefan Dittmaier, R. Kogler
Pianori	Status of Higgs Boson Physics M. Cepeda, L. Reina, P. Savard
Pianori	Status of Higgs Boson Physics M. Cepeda, L. Reina, P. Savard
Pianori	Accelerator Physics of Colliders V. Shiltsev, F. Zimmermann
Pianori	High-Energy Collider Parameters E. Pianori
Pianori	Particle Detectors at Accelerators
Pianori	[SECTION] Introduction E. Pianori
Pianori	[SECTION] Photon detectors P. Krizan
Pianori	[SECTION] Organic scintillators S.C. Eno, M. Hamel
Pianori	[SECTION] Inorganic scintillators C. Woody, R.-Y. Zhu
Pianori	[SECTION] Cherenkov detectors J. Schwiening
Pianori	[SECTION] Gaseous detectors
Pianori	[SECTION] Energy loss and charge transport in gases STATIC REVIEW OR AUTHOR(S) TBD
Pianori	[SECTION] Multi-Wire Proportional and Drift Chambers STATIC REVIEW OR AUTHOR(S) TBD
Pianori	[SECTION] High Rate Effects STATIC REVIEW OR AUTHOR(S) TBD

Pianori	[SECTION] Micro-Pattern Gas Detectors STATIC REVIEW OR AUTHOR(S) TBD
Pianori	[SECTION] Time-projection chambers C. Lippmann
Pianori	[SECTION] Transition radiation detectors (TRD's) A. Romaniouk
Pianori	[SECTION] Resistive-plate chambers G. Aielli
Pianori	[SECTION] LAr Time Projection Chamber A. Fava, F. Pietropaolo
Pianori	[SECTION] Semiconductor detectors N. Wermes
Pianori	[SECTION] Low-noise detector readout N. Wermes
Pianori	[SECTION] Calorimeters
Pianori	[SECTION] Introduction F. Sefkow, F. Simon
Pianori	[SECTION] Electromagnetic calorimeters C. Woody, R.-Y. Zhu
Pianori	[SECTION] Hadronic calorimeters F. Sefkow, F. Simon
Pianori	[SECTION] Free electron drift velocities in liquid ionization chambers W. Walkowiak
Pianori	[SECTION] Accelerator-based neutrino detectors A. Fava, F. Pietropaolo
Pianori	[SECTION] Superconducting magnets for collider detectors Y. Makida
Pianori	[SECTION] Measurement of particle momenta in a uniform magnetic field Y. Makida
Pianori	Probability G. Cowan
Pianori	Statistics G. Cowan
Pianori	Monte Carlo Techniques G. Cowan
Pianori	Tests of Conservation Laws A. Pich, M. Ramsey-Musolf
<hr/>	
Robinson	Quantum Chromodynamics J. Huston, K. Rabbertz, G. Zanderighi
Robinson	CKM Quark-Mixing Matrix A. Ceccucci, Z. Ligeti, Y. Sakai
Robinson	Lattice Quantum Chromodynamics S. Hashimoto, S.R. Sharpe
Robinson	Monte Carlo Event Generators P. Nason, P. Skands

Robinson		Monte Carlo Particle Numbering Scheme A. Buckley, F. Krauss, S. Navas, P. Richardson
Robinson		Clebsch-Gordan Coefficients, Spherical Harmonics, and d Functions STATIC REVIEW OR AUTHOR(S) TBD
Robinson		SU(3) Isoscalar Factors and Representation Matrices STATIC REVIEW OR AUTHOR(S) TBD
Robinson		SU(n) Multiplets and Young Diagrams STATIC REVIEW OR AUTHOR(S) TBD
Robinson		Resonances D.M. Asner, C. Hanhart, M. Mikhasenko
Robinson		Review of Multibody Charm Analyses D.M. Asner, J. Rademacker
Robinson		D0 – Dbar0 Mixing D.M. Asner, A. Schwartz
Robinson		D(s)+ Branching Fractions STATIC REVIEW OR AUTHOR(S) TBD
Robinson		Leptonic Decays of Charged Pseudoscalar Mesons R. Briere, R. Van de Water
Robinson		Grand Unified Theories A. Hebecker, J. Hisano, N. Nagata
Robinson	Robinson	Axions and Other Similar Particles G. Rybka, B. Safdi
Robinson	Robinson	Leptoquarks S. Rolli, M. Tanabashi
Robinson	Zyla	Physical Constants D.J. Robinson
<hr/>		
Terning	Bettini	Searches for Quark and Lepton Compositeness K. Hikasa, M. Tanabashi, K. Terashi, N. Varelas
<hr/>		
Workman	Yao	N and Delta Resonances V. Burkert, V. Crede, U. Thoma, L. Tiator, R. Workman
Workman	Yao	Lambda and Sigma Resonances V. Burkert, V. Crede, U. Thoma, L. Tiator, R. Workman
Workman	Yao	Pole Structure of the Lambda(1405) Region T. Hyodo, U.-G. Meißner
Workman	Yao	Xi Resonances V. Crede, U. Thoma
<hr/>		
Yao		CP Violation in the Quark Sector T. Gershon, Y. Nir
Yao		Quark Model C. Amsler, V. Crede, T. DeGrand
Yao		Heavy-Quark and Soft-Collinear Effective Theory C. Bauer, M. Neubert
Yao		High Energy Soft QCD and Diffraction V. Khoze, M. Ryskin, M. Taševský
Yao		Cross-Section Formulae for Specific Processes

		H. Baer, R.N. Cahn
Yao		Top Quark F. Canelli, A. Knue, F. Maltoni
Yao		Production and Decay of b-flavored Hadrons P. Eerola, M. Kreps, Y. Kwon
Yao		Heavy Flavor Averaging Group U. Egede, A. Soffer
Yao		Polarization in B Decays A.V. Gritsan
Yao		B0 – Bbar0 Mixing O. Schneider
Yao		Semileptonic B Hadron Decays, Determination of V(cb) and V(ub) A. El-Khadra, P. Urquijo
Yao		Determination of CKM angles from B hadrons T. Gershon, M. Kenzie, K. Trabelsi
Yao		Other Particle Searches H. Baer, K. Hikasa
<hr/>		
Zhu	Robinson	Pentaquarks M. Karliner, T. Skwarnicki
<hr/>		
Zyla		Front Matter J. Beringer, W.-M. Yao
Zyla		Introduction J. Beringer
Zyla		Notes P.A. Zyla
Zyla		Index K.S. Lugovsky
<hr/> <hr/>		