

PDG Reviews Responsibilities

PDG review responsibilities as of June 14, 2021. Please refer to the *Responsibility* or *Reviews* tools in *PdgWorkspace* 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, R.S. Chivukula, M. Narain
Amsler, Eidelman	Beringer	Spectroscopy of Light Meson Resonances C. Amsler, S. Eidelman, A. Masoni, G. Venanzoni
Amsler, Eidelman	Beringer	Scalar Mesons below 2 GeV C. Amsler, S. Eidelman, T. Gutsche, C. Hanhart, R. Mitchell, S. Spanier
Amsler, Eidelman	Beringer	K*(892) Masses and Mass Differences S. Eidelman
Amsler, Eidelman	Beringer	Spectroscopy of Mesons Containing Two Heavy Quarks S. Eidelman, J. J. Hernández-Rey, C. Lourenço, R. Mitchell, S. Navas, C. Patrignani
Amsler, Eidelman	Beringer	Charmonium System R. Mitchell, S. Navas
Amsler, Eidelman	Beringer	Bottomonium System R. Mitchell, S. Navas
Amsler, Eidelman	Beringer	Width Determination of the Upsilon States S. Eidelman
Amsler, Eidelman	Beringer	Heavy Non-qqbar Mesons S. Eidelman, T. Gutsche, C. Hanhart, R. Mitchell
Barnett		Quark Masses R.M. Barnett, L. Lellouch, A.V. Manohar
Barnett		Supersymmetry, Part I (Theory) B.C. Allanach, H.E. Haber
Barnett		Supersymmetry, Part II (Experiment) M. D'Onofrio, F. Moortgat
Bauer	Yao	Monte Carlo Event Generators P. Nason, P. Skands
Beringer		Machine Learning K. Cranmer, U. Seljak, K. Terao
Bettini		Neutrino Masses, Mixing, and Oscillations M.C. Gonzalez-Garcia, M. Yokoyama

Bettini	Cosmic Rays J. Beatty, J. Matthews, S. Wakely
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 L. Wiencke
Bettini	[SECTION] Atmospheric Cherenkov telescopes for high-energy gamma ray astronomy J. Holder
Bettini	[SECTION] Large neutrino detectors
Bettini	[SECTION] Deep liquid detectors for rare processes K. Scholberg, C.W. Walter
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 T. Shutt
Bettini	[SECTION] Sub-Kelvin detectors O. Cremonesi, L. Hsu, G. Signorelli
Bettini	[SECTION] Low-radioactivity background techniques A. Ianni, S. Schoenert
Bettini	Neutrinoless Double-beta Decay A. Piepke, P. Vogel
Bettini	Free Quark Searches A. Bettini

Bonventre	Online Particle Physics Information S. Demers, M. Moskovic
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	Kinematics D. Miller, D.R. Tovey
Bonventre	W'-Boson Searches B. Dobrescu, S. Willocq
Bonventre	Z'-Boson Searches B. Dobrescu, S. Willocq

Dreiner	Supersymmetric Model Assumptions
---------	----------------------------------

Gherghetta, Robinson		Extra Dimensions Y. Gershtein, A. Pomarol
Grab	Lin	Muon Decay Parameters W. Fetscher
Groom		Astrophysical Constants and Parameters D.E. Groom, D. Scott
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		Passage of Particles Through Matter D.E. Groom, S. Klein
Groom		Commonly Used Radioactive Sources D.E. Groom
Groom, Pianori		[SECTION] Introduction F. Sefkow, F. Simon
Groom, Pianori		[SECTION] Hadronic calorimeters F. Sefkow, F. Simon
Grunewald, Gurtu	Pianori	Mass and Width of the W Boson M. Grunewald, A. Gurtu
Grunewald, Gurtu	Pianori	Extraction of Triple Gauge Couplings (TGC's) M. Grunewald, A. Gurtu
Grunewald, Gurtu	Pianori	Anomalous W/Z Quartic Couplings (QGCs) M. Grunewald, A. Gurtu
Grunewald, Gurtu	Pianori	Z Boson M. Grunewald, A. Gurtu
Grunewald, Gurtu	Pianori	Anomalous Z Z gamma, Z gamma gamma, and Z Z V Couplings M. Grunewald, A. Gurtu
Lin		History Plots C.-J. Lin
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] sigma and R in e+ e- Collisions V.I. Belousov, V.V. Ezhela, V.A. Petrov, R.A. Ryutin, N.P. Tkachenko, O.V. Zenin
Lin	[SECTION] Annihilation Cross Section Near M(Z) M. Grünewald
Lin	[SECTION] Total Hadronic Cross Sections V.I. Belousov, V.V. Ezhela, V.A. Petrov, R.A. Ryutin, N.P. Tkachenko, O.V. Zenin
Lin	Muon Anomalous Magnetic Moment A. Höcker, W.J. Marciano
Lin	Number of Light Neutrino Types from Collider Experiments C.-J. Lin
Lin	Neutrino Properties A. Piepke, P. Vogel
Lin	Sum of Neutrino Masses K. Olive
Lin	Three-Neutrino Mixing Parameters M. Goodman
Lin	Form Factors for Radiative Pion and Kaon 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 -i 3pi 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 -i 3pi STATIC REVIEW OR AUTHOR(S) TBD
Lin	V(ud), V(us) the Cabibbo Angle, and CKM Unitarity E. Blucher, W.J. Marciano
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 M. Goodman
Lin	DeltaS = DeltaQ in K0 Decays

Milstead	Bettini	Magnetic Monopoles D. Milstead, E.J. Weinberg
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		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. R. 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

Pianori		Naming Scheme for Hadrons V. Burkert, S. Eidelman, C. Hanhart, R. Mitchell, U. Thoma, L. Tiator, R. Workman
Pianori		Electroweak Model and Constraints on New Physics J. Erler, A. Freitas
Pianori		Status of Higgs Boson Physics M. Carena, C. Grojean, M. Kado, V. Sharma
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 F. Sauli, M. Titov
Pianori	[SECTION] Multi-Wire Proportional and Drift Chambers F. Sauli, M. Titov
Pianori	[SECTION] High Rate Effects F. Sauli, M. Titov
Pianori	[SECTION] Micro-Pattern Gas Detectors F. Sauli, M. Titov
Pianori	[SECTION] Time-projection chambers C. Lippmann
Pianori	[SECTION] Transition radiation detectors (TRD's) P. Nevski, A. Romaniouk
Pianori	[SECTION] Resistive-plate chambers G. Aielli
Pianori	[SECTION] Semiconductor detectors N. Wermes
Pianori	[SECTION] Low-noise detector readout N. Wermes
Pianori	[SECTION] Calorimeters
Pianori	[SECTION] Electromagnetic calorimeters C. Woody, R.-Y. Zhu
Pianori	[SECTION] Free electron drift velocities in liquid ionization chambers W. Walkowiak
Pianori	[SECTION] Accelerator-based neutrino detectors F. Pietropaolo, S. Pordes
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

		D.J. Robinson
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, J. Laiho, S. Sharpe
Robinson		Monte Carlo Particle Numbering Scheme F. Krauss, S. Navas, P. Richardson, T. Sjöstrand
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
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 J. Rosner
Robinson		Leptonic Decays of Charged Pseudoscalar Mesons J. Rosner, S.L. Stone, R. Van de Water
Robinson		Axions and Other Similar Particles A. Ringwald, L. Rosenberg, G. Rybka
Robinson		Grand Unified Theories A. Hebecker, J. Hisano
Robinson		Leptoquarks S. Rolli, M. Tanabashi
<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 R. Workman
<hr/>		
Yao		CP Violation in the Quark Sector T. Gershon, Y. Nir
Yao		Quark Model C. Amsler, T. DeGrand, B. Krusche

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 T. Liss, F. Maltoni, A. Quadt
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		$B^0 - \bar{B}^0$ 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	Bettini	Pentaquarks M. Karliner, T. Skwarnicki
<hr/>		
Zyla		Front Matter J. Beringer
Zyla		Introduction J. Beringer
Zyla		Notes P.A. Zyla
Zyla		Index K.S. Lugovsky
Zyla	Beringer	Branching Ratios of $\psi(2S)$ and $\chi(c)0(1,2)$ J. J. Hernández-Rey, S. Navas, C. Patrignani
<hr/> <hr/>		