

# PDG Reviews Responsibilities

PDG review responsibilities as of September 12, 2018. Please refer to the *Responsibility* or *Reviews* tools in *PdgWorkspace* for the current assignment of review responsibilities.

Overseer	Coordinator	Review title and authors
Agashe	Barnett	Dynamical Electroweak Symmetry Breaking: Implications of the H0 K. Black, R.S. Chivukula, M. Narain
Barnett		Axions and Other Similar Particles A. Ringwald, L. Rosenberg, G. Rybka
Barnett		CKM Quark-Mixing Matrix A. Ceccucci, Z. Ligeti, Y. Sakai
Barnett		Electroweak Model and Constraints on New Physics J. Erler, A. Freitas
Barnett		Extra Dimensions Searches Y. Gershtein, A. Pomarol
Barnett		Grand Unified Theories A. Hebecker, J. Hisano
Barnett		Higgs Bosons: Theory and Searches M. Carena, C. Grojean, M. Kado, V. Sharma
Barnett		Kinematics D. Miller, D.R. Tovey
Barnett		Lattice Quantum Chromodynamics S. Hashimoto, J. Laiho, S. Sharpe
Barnett		Leptonic Decays of Charged Pseudoscalar Mesons J. Rosner, S.L. Stone, R. Van de Water
Barnett		Leptoquarks S. Rolli, M. Tanabashi
Barnett		Online Particle Physics Information A. Holtkamp, M. Moskovic
Barnett		Quantum Chromodynamics J. Huston, K. Rabbertz
Barnett		Quark Masses L. Lellouch, A.V. Manohar
Barnett		Supersymmetric Model Assumptions R.M. Barnett
Barnett		Supersymmetry, Part I (Theory) H.E. Haber
Barnett		Supersymmetry, Part II (Experiment) O. Buchmuller, P. de Jong
Barnett		W'-Boson Searches

Barnett		B. Dobrescu, S. Willocq Z'-Boson Searches M.-C. Chen, B. Dobrescu, S. Willocq
Bauer	Yao	Monte Carlo Event Generators P. Nason, P. Skands
Beringer		Introduction J. Beringer
Beringer	Beringer	Resonances D.M. Asner, C. Hanhart, E. Klempt
Bettini		Neutrino Masses, Mixing, and Oscillations AUTHOR(S) TBD
Bettini		Particle Detectors for Non-Accelerator Physics J. Holder, K.D. Irwin, U. Katz, S. Klein, A. Piepke, K. Scholberg, T. Shutt, C. Spiering, C.W. Walter, L. Wiencke
Bettini	Beringer	Free Quark Searches AUTHOR(S) TBD
Eidelman	Beringer	Bottomonium System S. Eidelman
Eidelman	Beringer	Charmonium System S. Eidelman
Eidelman	Beringer	K*(892) Masses and Mass Differences S. Eidelman
Eidelman	Beringer	Non-qqbar Mesons C. Amsler, C. Hanhart
Eidelman	Beringer	Pseudoscalar and Pseudovector Mesons in the 1400 MeV Region C. Amsler, A. Masoni
Eidelman	Beringer	Scalar Mesons below 2 GeV C. Amsler, S. Eidelman, T. Gutsche, C. Hanhart, S. Spanier
Eidelman	Beringer	Spectroscopy of Mesons Containing Two Heavy Quarks S. Eidelman, C. Hanhart, B. Heltsley, J. J. Hernández-Rey, R. Mitchell, S. Navas, C. Patrignani
Eidelman	Beringer	Width Determination of the Upsilon States S. Eidelman
Eidelman	Beringer	rho(1450) and rho(1700) S. Eidelman, G. Venanzoni
Eidelman	Beringer	rho(770) S. Eidelman, G. Venanzoni
Grab	Lin	Muon Decay Parameters W. Fetscher, H.-J. Gerber
Groom		Astrophysical Constants and Parameters D.E. Groom, D. Scott
Groom		Atomic and Nuclear Properties of Materials D.E. Groom
Groom		Commonly Used Radioactive Sources

		R. Firestone
Groom		Cosmic Rays J. Beatty, J. Matthews, S. Wakely
Groom		Electromagnetic Relations AUTHOR(S) TBD
Groom		Experimental Tests of Gravitational Theory T. Damour
Groom		Passage of Particles Through Matter H. Bichsel, D.E. Groom, S. Klein
Groom		Periodic Table of the Elements D.E. Groom
Groom		Radioactivity and Radiation Protection S. Roesler, M. Silari
<hr/>		
Grunewald, Gurtu	Barnett	Anomalous W/Z Quartic Couplings (QGCs) M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Anomalous Z Z gamma, Z gamma gamma, and Z Z V Couplings M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Extraction of Triple Gauge Couplings (TGC's) M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Mass and Width of the W Boson M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Z Boson M. Grunewald, A. Gurtu
<hr/>		
Lin		Baryon Decay Parameters AUTHOR(S) TBD
Lin		CP Violation in K(L)0 Decays C.-J. Lin
Lin		CP Violation in K(S)0 $\rightarrow$ 3pi AUTHOR(S) TBD
Lin		CPT Invariance Tests in Neutral Kaon Decay M. Antonelli, G. D'Ambrosio
Lin		Charged Kaon Mass AUTHOR(S) TBD
Lin		Dalitz Plot Parameters for K $\rightarrow$ 3pi Decays AUTHOR(S) TBD
Lin		DeltaS = DeltaQ in K0 Decays C.-J. Lin
Lin		Form Factors for Radiative Pion and Kaon Decays M.A. Bychkov, G. D'Ambrosio
Lin		History Plots C.-J. Lin
Lin		Introductory Text to Neutrino Mixing M. Goodman
Lin		K**+(lepton3) and K**0(lepton3) Form Factors C.-J. Lin
Lin		Monte Carlo Neutrino Generators H. Gallagher, Y. Hayato

Lin		Muon Anomalous Magnetic Moment A. Höcker, W.J. Marciano
Lin		Neutrino Beam Lines at High-Energy Proton Synchrotrons C.-J. Lin
Lin		Neutrino Cross Section Measurements G.P. Zeller
Lin		Neutrino Properties A. Piepke, P. Vogel
Lin		Neutrinoless Double-beta Decay A. Piepke, P. Vogel
Lin		Number of Light Neutrino Types from Collider Experiments AUTHOR(S) TBD
Lin		Plots of Cross Sections and Related Quantities V.I. Belousov, O. Biebel, V.V. Ezhela, A.A. Godizov, M. Grünewald, V.A. Petrov, R.A. Ryutin, N.P. Tkachenko, D.R. Ward, O.V. Zenin
Lin		Radiative Hyperon Decays AUTHOR(S) TBD
Lin		Rare Kaon Decays L. Littenberg, G. Valencia
Lin		Structure Functions B. Foster, R.S. Thorne, M. Vinciter
Lin		Structure Functions &#151; additional figures B. Foster, A. Martin, R.S. Thorne, M. Vinciter
Lin		Sum of Neutrino Masses K. Olive
Lin		Three-Neutrino Mixing Parameters M. Goodman
Lin		$V(u_d)$ , $V(u_s)$ the Cabibbo Angle, and CKM Unitarity E. Blucher, W.J. Marciano
Milstead	Barnett	Fragmentation Functions in $e^+ e^-$ , $e p$ , and $p p$ Collisions O. Biebel, D. de Florian, D. Milstead, W. Vogelsang, A. Vogt
Milstead	Barnett	Magnetic Monopoles D. Milstead, E.J. Weinberg
Moenig	Pianori	tau Branching Fractions Sw. Banerjee, A. Lusiani
Moenig	Pianori	tau-Lepton Decay Parameters A. Stahl
Olive	Barnett	Inflation J. Ellis, D. Wands
Olive	Barnett, Groom	Big-Bang Cosmology K. Olive, J.A. Peacock
Olive	Barnett, Groom	Big-Bang Nucleosynthesis B. Fields, P. Molaro, S. Sarkar
Olive	Barnett, Groom	Cosmic Microwave Background D. Scott, G.F. Smoot
Olive	Barnett, Groom	Cosmological Parameters

		O. Lahav, A. Liddle
Olive	Barnett, Groom	Dark Energy D.H. Weinberg, M. White
Olive	Barnett, Groom	Dark Matter L. Baudis, S. Profumo
Olive	Barnett, Groom	Neutrinos in Cosmology J. Lesgourgues, L. Verde
<hr/>		
Pianori		Accelerator Physics of Colliders M.J. Syphers, F. Zimmermann
Pianori		High-Energy Collider Parameters AUTHOR(S) TBD
Pianori		Monte Carlo Particle Numbering Scheme L. Garren, F. Krauss, C.-J. Lin, S. Navas, P. Richardson, T. Sjöstrand
Pianori		Monte Carlo Techniques G. Cowan
Pianori		Naming Scheme for Hadrons V. Burkert, S. Eidelman, C. Hanhart, B. Heltsley, E. Klempt, R. Mitchell, U. Thoma, L. Tiator, R. Workman
Pianori		Particle Detectors at Accelerators G. Aielli, D. Chakraborty, D.E. Groom, K.F. Johnson, C. Lippmann, Y. Makida, P. Nevski, B.N. Ratcliff, A. Romaniouk, F. Sauli, H. Spieler, T. Sumiyoshi, M. Titov, W. Walkowiak, M.O. Wascko, C. Woody, R.-Y. Zhu
Pianori		Probability G. Cowan
Pianori		Statistics G. Cowan
Pianori		Tests of Conservation Laws E. Pianori
<hr/>		
Terning	Barnett	Searches for Quark and Lepton Compositeness K. Hikasa, M. Tanabashi, K. Terashi, N. Varelas
<hr/>		
Wohl		Baryon Magnetic Moments C.G. Wohl
Wohl		Charmed Baryons C.G. Wohl
Wohl		Clebsch-Gordan Coefficients, Spherical Harmonics, and d Functions AUTHOR(S) TBD
Wohl		D(s)+ Branching Fractions J. Rosner, C.G. Wohl
Wohl		Electronic Structure of the Elements AUTHOR(S) TBD
Wohl		International System of Units (SI) AUTHOR(S) TBD
Wohl		Lambda and Sigma Resonances C.G. Wohl

Wohl		Physical Constants C.G. Wohl
Wohl		SU(3) Isoscalar Factors and Representation Matrices AUTHOR(S) TBD
Wohl		SU(n) Multiplets and Young Diagrams C.G. Wohl
Wohl		Sigma(1670) Region C.G. Wohl
Wohl		Xi Resonances C.G. Wohl
Workman	Yao	N and Delta Resonances V. Burkert, E. Klempt, U. Thoma, L. Tiator, R. Workman
Workman	Yao	Pole Structure of the Lambda(1405) Region T. Hyodo, U.-G. Meißner
Yao		B0 – Bbar0 Mixing O. Schneider
Yao		CP Violation in the Quark Sector T. Gershon, Y. Nir
Yao		Cross-Section Formulae for Specific Processes H. Baer, R.N. Cahn
Yao		D0 – Dbar0 Mixing D.M. Asner
Yao		Heavy Flavor Averaging Group T. Gershon, A. Schwartz
Yao		Heavy-Quark and Soft-Collinear Effective Theory C. Bauer, M. Neubert
Yao		Polarization in B Decays A.V. Gritsan, J. Smith
Yao		Production and Decay of b-flavored Hadrons P. Eerola, M. Kreps, Y. Kwon
Yao		Quark Model C. Amsler, T. DeGrand, B. Krusche
Yao		Review of Multibody Charm Analyses D.M. Asner, J. Rademacker
Yao		Semileptonic B Hadron Decays, Determination of V(cb) and V(ub) R. Kowalewski, T. Mannel
Yao		Top Quark T. Liss, F. Maltoni, A. Quadt
Yao	Yao	Other Particle Searches H. Baer, K. Hikasa
Zhu	Barnett	Pentaquarks M. Karliner, T. Skwarnicki
Zyla	Beringer	Branching Ratios of psi(2S) and chi(c)0(,1,2) J. J. Hernández-Rey, S. Navas, C. Patrignani