

曹臻，男，1962年9月生于昆明，1982年7月毕业于云南大学物理系，1994年在高能物理研究所获宇宙线高能物理哲学博士。1994年任美国俄勒冈大学物理系研究助理，1998年转任美国犹他大学物理系研究助理，2003-2009年任美国犹他大学副教授。2004年入选中国科学院“引进国外杰出人才（百人计划）”，2008年终期评审获“优秀奖”。2004年起任高能所粒子天体物理中心研究员，博士生导师。2012年起任粒子天体物理中心副主任、中科院粒子天体物理重点实验室副主任。2013年起任国家重大科技基础设施项目“高海拔宇宙线观测站”首席科学家、工程经理部经理。2015年入选中国科学院特聘研究员。任中国科学院大学岗位教授。2019年起任高能所“天府宇宙线研究中心”主任。自1994年起活跃于国内外宇宙线和伽马天文领域，参与多个国际知名宇宙线实验，领导和设计了多个大型实验及其探测装置，并实施了相关探测器的研制。取得多项重要成果，在国际专业刊物发表了120多篇科学论文，总引用率约4900次。从2007年起任中国物理学会高能物理分会常务理事，至2018年任副秘书长。从2014年起任国际纯粹与应用物理联合会（IUPAP）粒子天体物理委员会（C4）成员、粒子天体物理国际委员会（WG10）成员。

Zhen Cao, male, was born at Kunming, China, in September 1962. He graduated from Physics Department of Yunan University in 1982, then he was awarded the Ph. Doctoral degree at the Institute of High Energy Physics (IHEP), Beijing, in 1994. He worked for the Physics Department of University of Oregon as a Research Associate since 1994 and moved to the Physics Department of University of Utah also as a research associate in 1998, then was promoted as a research associate professor since 2003 until he left the position in 2009. In 2004, he was selected as an “outstanding Scientist abroad (as known as “Hundred Talents”)” by Chinese Academy of Science (CAS) and was employed as a professor in the Particle Astrophysics Research Center of IHEP and was qualified to be an advisor of Ph. Doctoral students. Since 2012, he has been the deputy director of the Particle Astrophysics Research Center and the Particle Astrophysics Key Laboratory of CAS. Since 2013, he has been appointed to be the Chief Scientist and director of

the project Large High Altitude Air Shower Observatory (LHAASO), one of mega projects for the major national infrastructure building. He was employed as a professor of University of CAS since 2015. He has been elected as the director of “Tianfu Cosmic Ray Research Center” of IHEP since 2019. He devoted himself in cosmic ray physics and gamma ray astronomy since 1994, and has been very active throughout his research career. He participated a couple of major cosmic ray experiments in the world. He has been leading a couple of experiments and playing a central role in proposing and implementation of the experiments. He has established significant achievements in the field with more than 120 scientific articles published in the major journals around the world. The citation of those articles counts about 4900 in total. He was elected to be the standing board member and the deputy secretary general of the High Energy Physics Society of Chinese Physics Society since 2007. Currently, he has been the members of Astroparticle Physics Commission (C4) of International Union of Pure and Applying Physics (IUPAP) and of Astroparticle Physics International Committee (WG10) of IUPAP since 2014.