

# Murray Gell-Mann

(1929 – )

**Ph.D.** Massachusetts Institute of Technology 1951 <sup>1,4</sup>

**Dissertation:** Coupling strength and nuclear reactions. <sup>2,4</sup>

**1969 Nobel Prize in Physics** “for his contributions and discoveries concerning the classification of elementary particles and their interactions” <sup>6</sup>

**Advisor:** Victor Friedrich Weisskopf <sup>4,7</sup>

**Student:** Sidney Richard Coleman <sup>1,3,7</sup>  
Kenneth Geddes Wilson <sup>5,7</sup>

## Notes:

<sup>1</sup> Personal communication with JM LoSecco (9 Aug 2001)

<sup>2</sup> UMI ProQuest Digital Dissertations. (accessed 14 Aug 2006)

<sup>3</sup> Coleman, S. R. The structure of strong interaction symmetries. Ph.D. Thesis, California Institute of Technology, Pasadena, CA, 1962.

“I would like to thank Prof. M. Gell-Mann for discussions and for criticism of the thesis manuscript, and to express my gratitude for his attempts to introduce reality into a world of vain abstraction.”

<sup>4</sup> Gell-Mann, M. Coupling strength and nuclear reactions. Ph.D. Thesis, Massachusetts Institute of Technology, Cambridge, MA, 1951.

“The author owes a deep debt of gratitude to his teacher, Professor Victor F. Weisskopf, for the pleasure of working under his guidance and for the opportunity to profit by his keen insight and rare ability to instruct.”

<sup>5</sup> Kenneth G. Wilson – Autobiography.

[http://nobelprize.org/nobel\\_prizes/physics/laureates/1982/wilson-autobio.html](http://nobelprize.org/nobel_prizes/physics/laureates/1982/wilson-autobio.html) (accessed 6 Nov 2006).

“...I then worked on a thesis for Murray Gell-Mann.”

<sup>6</sup> Physics 1969.

[http://nobelprize.org/nobel\\_prizes/physics/laureates/1969/](http://nobelprize.org/nobel_prizes/physics/laureates/1969/) (accessed 19 April 2007).

<sup>7</sup> Chang, Sooyoung. *Academic Genealogy of Physicists*. Seoul National University Press: Seoul, Korea, 2005.