

Physics Colloquium

Tuesday, April 09, 2013

3:30 p.m., Large Seminar Room, Bldg. 510

"40th Anniversary of QCD. Experimental viewpoint. High pT physics from ICHEP 1972 to ICHEP 1982,"

Michael Tannenbaum, BNL

QCD is now accepted as the standard theory of hard-scattering and strong interactions. However its acceptance by experimentalists was not as easy as might be imagined. The period from the International Conference on High Energy Physics (ICHEP) in 1972 (where Fritzsche and Gell-Mann first proposed QCD and production of particles at large transverse momentum was first presented) to the ICHEP ten years later when QCD was generally accepted as describing hard-scattering is reviewed from an experimental viewpoint. There were several unexpected discoveries in this period and the interplay of experiment and theory was crucial in understanding what the partons of Deeply Inelastic scattering were and how they interacted with each other.

Hosted by Rob Pisarski

***Refreshments will be served beginning at 3:00 pm*