



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

Contribution ID: 355

Type: Oral (Non-Student) / Orale (non-étudiant(e))

## Glueballs in QCD sum rules

*Thursday 12 June 2025 17:30 (15 minutes)*

Glueballs are colorless bound states of gluons as they have self-couplings. The existence of glueballs are very distinctive predictions of QCD. In this talk, I will briefly review recent experimental and theoretical progresses on the researches of glueballs. Especially, I will introduce the latest QCD sum rule calculations of the mass spectroscopy for the two-gluon and three-gluon glueballs.

### Keyword-1

Exotic hadrons

### Keyword-2

Glueballs

### Keyword-3

**Author:** Prof. CHEN, Wei

**Co-authors:** Prof. CHEN, Hua-Xing; Prof. ZHU, Shi-Lin

**Presenter:** Prof. CHEN, Wei

**Session Classification:** (DNP) R2-6 Fundamental symmetries | Symétries fondamentales (DPN)

**Track Classification:** Technical Sessions / Sessions techniques: Nuclear Physics / Physique nucléaire (DNP-DPN)