



Contribution ID: 278

Type: **Parallel Talk**

## **SU(4) Stealth Dark Matter Baryons using LapH**

*Thursday, 3 August 2023 14:30 (20 minutes)*

The LSD collaboration is studying Stealth Dark Matter, an SU(4) gauge theory, whose ground state spin-0 baryon is the dark matter candidate. We are investigating Stealth Dark Matter with two fermions in the fundamental representation using the quenched approximation. I will discuss our baryon operator construction using LapH and lattice octahedral group irreps. Then I will present the latest results of the meson and baryon spectrum.

### **Topical area**

Particle Physics Beyond the Standard Model

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**Session Classification:** Particle Physics Beyond the Standard Model