



# Calorimeter status for GSI 2021

# Physics meeting

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### Test Beam @CNAO

#### Test beam at CNAO 27-28 June. Goals:

- Temperature monitoring by means Arduino
- Validate the crystals inter-calibration protocol:

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- scan with p (70, 120, 170, 227 MeV) and <sup>12</sup>C (115, 190, 260, 330, 400 MeV/A) on 3 different BGO crystals.
- scan with 70 MeV p and 115 MeV/A <sup>12</sup>C on 3 different BGO crystals rotated by 90° at different depths (15, 45, 75, 105, 135, 165, 195, 225 mm).

scan with 170 MeV p and 330 MeV/A C impinging on 3 stacked BGO crystals rotated by 90° at different depths to validate the inter-calibration protocol (energy deposited in ≥ 2 crystals).





### Preliminary Results

#### **TRANSVERSE SCAN (FIRST NIGHT)**

### **ENERGY SCAN (SECOND NIGHT)**



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## Calo Setup @GSI



