

## CMS Physics Object & Data Analysis School (PO&DAS) 2023



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### **E/ $\gamma$**

*Friday, 13 October 2023 13:30 (2 hours)*

Electrons and photons are widely used and play an essential role in the success of CMS. They are indispensable for searches of new physics, including many models of supersymmetry. Knowing the characteristics of electrons and photons in the CMS detector is helpful. This long exercise shows how electrons and photons are reconstructed and how we get their correct energy. The attendees are assumed to have basic knowledge of ROOT, C++, and Python.

**Presenters:** ANUAR, Afiq Aizuddin (CMS (CMS Fachgruppe TOP)); Ms AN, Ying (CMS (CMS Fachgruppe TOP))

**Session Classification:** POG exercises