# FASTSUM

- **Aim:**
  - Study finite T with anisotropic lattices ($\xi = 3.5$)

- **Currently**:
  - Gen2 ($m_\pi = 384$) and Gen2L ($m_\pi = 236$)
  - Gauge: Symanzik-improved, tree-level tadpole
  - Fermion: $N_f = 2 + 1$ Wilson-Clover (stout, tree-level tadpole)
  - Temperatures: $T = 23 - 375\,\mathrm{MeV}$

- **Soon**:
  - Gen3 ($\xi = 7.0$) and Gen2P ($m_\pi = 135$)

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- **Codes:**
  - OpenQCD-FASTSUM (anisotropy and stout link smearing)
  - QUDA (Multigrid) + Chroma (used on GPU)

- **Storage:**
  - Two servers @ Swansea university (80 TB and 230 TB)
  - All ensembles (Gen2 and Gen2L available on **Storj**)
  - Published DOI on **Zenodo**

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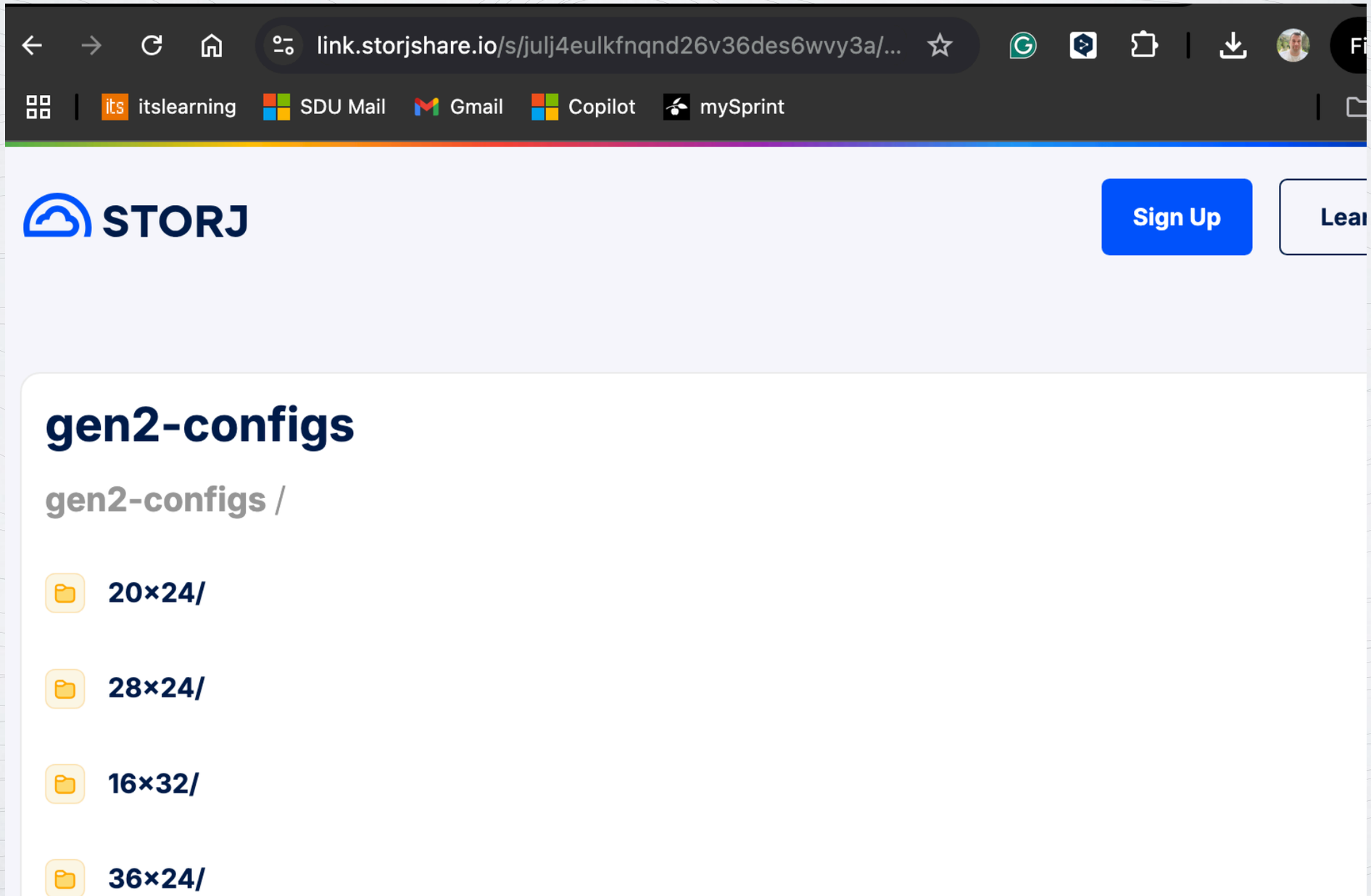
- **Sharing:**
  - Stroj (access through UK's DiRAC)
  - link.storjshare.io/s/julj4eulkfnqnd26v36des6wvy3a/gen2-configs/



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- **Citable:** Zenodo database
  - DOI allows for citation
  - Human readable + Tagging system