

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: $T = 23 - 375$ MeV
- **Soon:**
 - Gen3 ($\xi = 7.0$) and Gen2P ($m_\pi = 135$)

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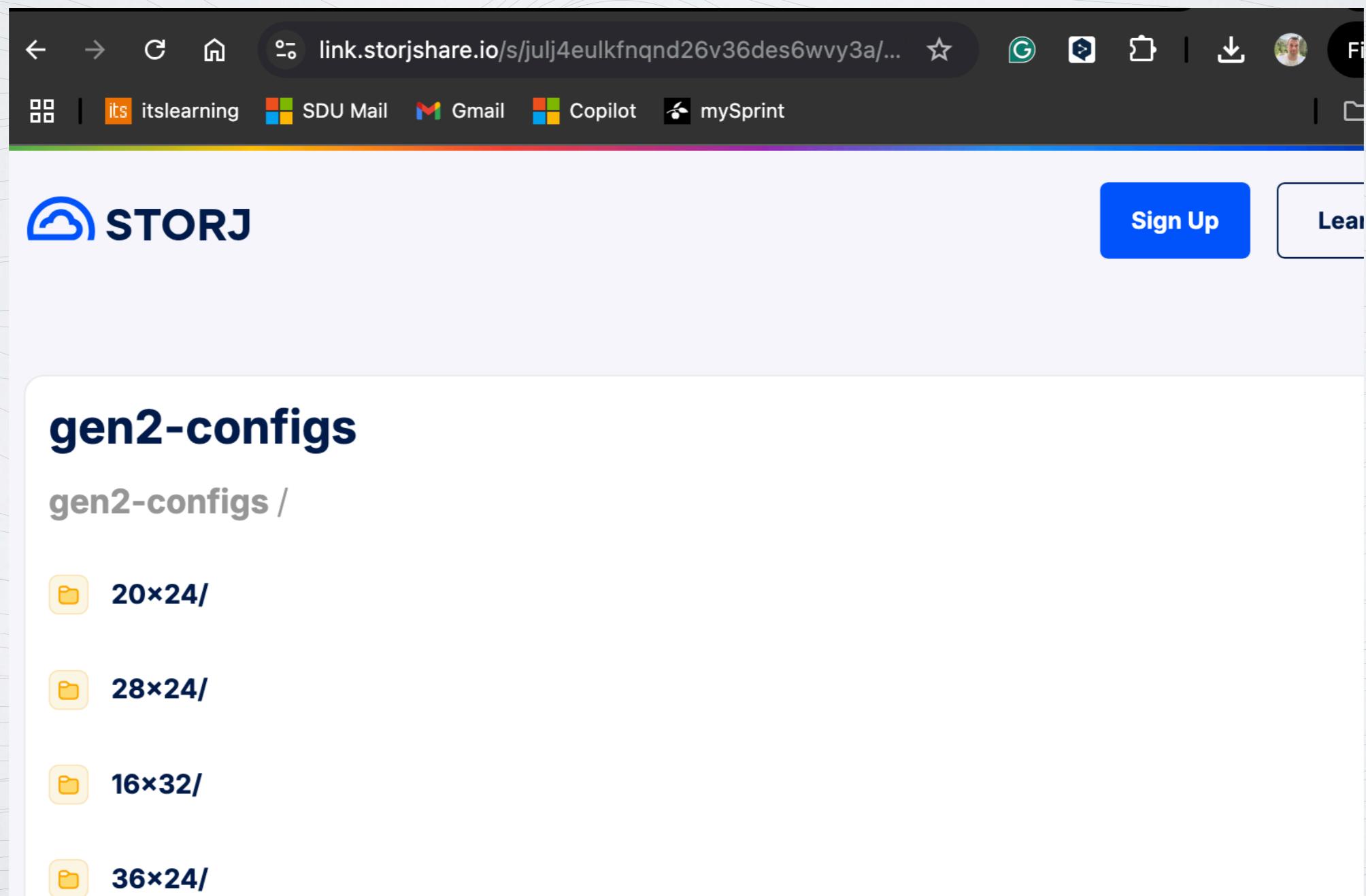
- **Codes:**
 - OpenQCD-FASTSUM (anisotropy and stout link smearing)
 - QUDA (Multigrid) + Chroma (used on GPU)
- **Storage:**
 - Two servers @ Swansea university (80TB and 230TB)
 - All ensembles (Gen2 and Gen2L available on **Storj**)
 - Published DOI on **Zenodo**

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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

The screenshot shows a Zenodo record page for a dataset. At the top, there's a dark header bar with navigation icons, a URL 'zenodo.org/records/8403827', and various sharing and download options. Below the header is a blue banner with the 'zenodo' logo. The main content area has a light gray background. On the left, there's a thumbnail icon of a document with a figure. To its right, the title 'International Lattice Data Grid' is displayed. At the bottom of this section, it says 'Published October 3, 2023 | Version v1'. To the right of this, there are two buttons: 'Dataset' and 'Open'. The main title of the dataset is 'FASTSUM Generation 2 Anisotropic Thermal Lattice QCD Gauge Ensembles'. Below the title, a list of contributors is shown, each with their name, a small profile picture, and a green 'ID' button. The names listed are Aarts, Gert¹, Allton, Christopher¹, Amato, Alessandro, Bignell, Ryan¹, Burns, Timothy J.¹, De Boni, Davide¹, Evans, Wynne, Glesaaen, Aleksandra¹, Giudice, Pietro, Hands, Simon², Harris, Tim³, Jaeger, Benjamin⁴, Kelly, Aoife⁵, Kim, Sevong⁶, Lombardo, Maria Paola⁷, and Nikolaev, Aleksandr¹.