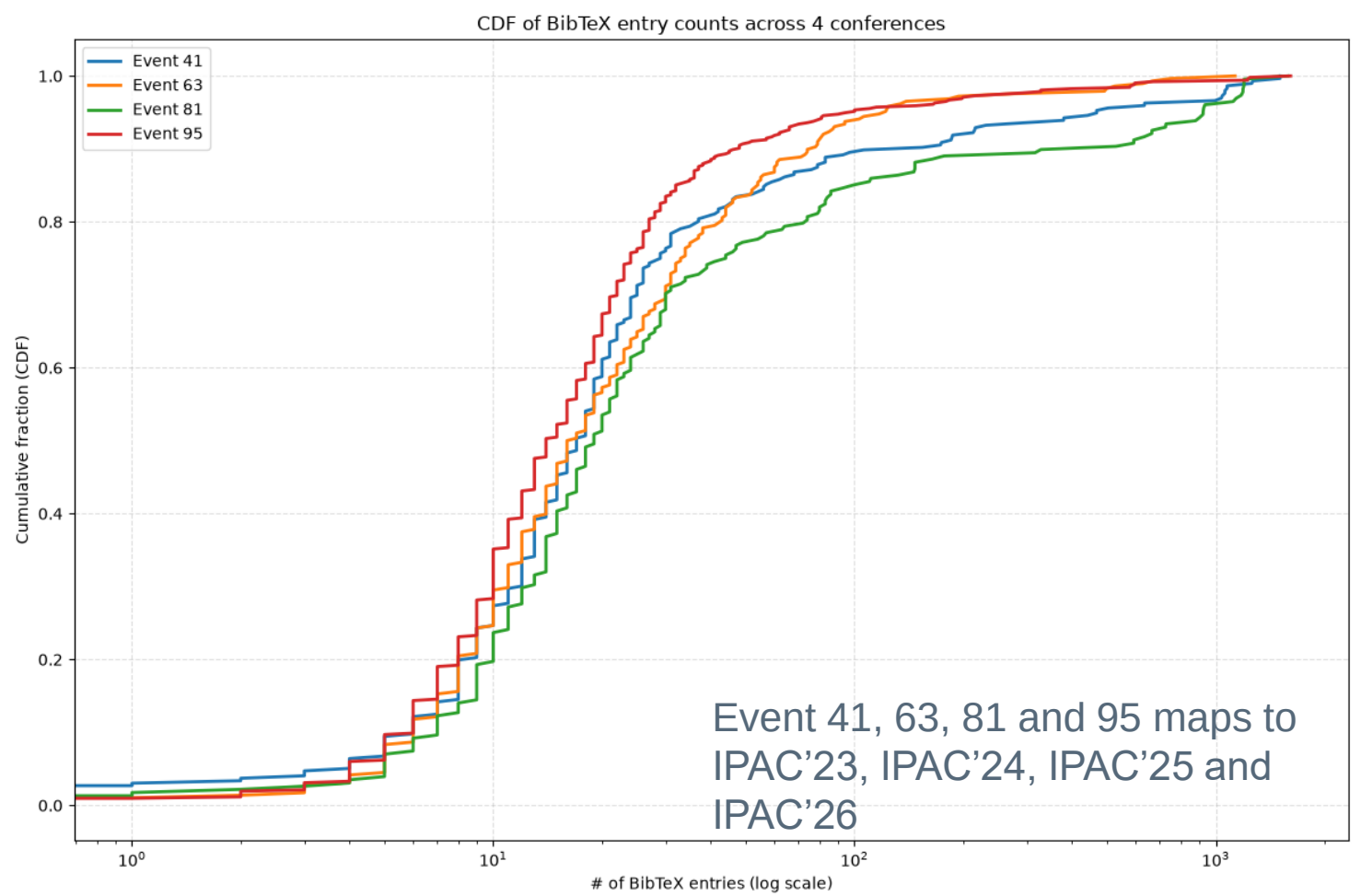
Large .bib uploads

Distributions across four recent IPAC conferences

Evidence, a 100 kB proposal and bibliography reduction

Entry counts show a long upper tail



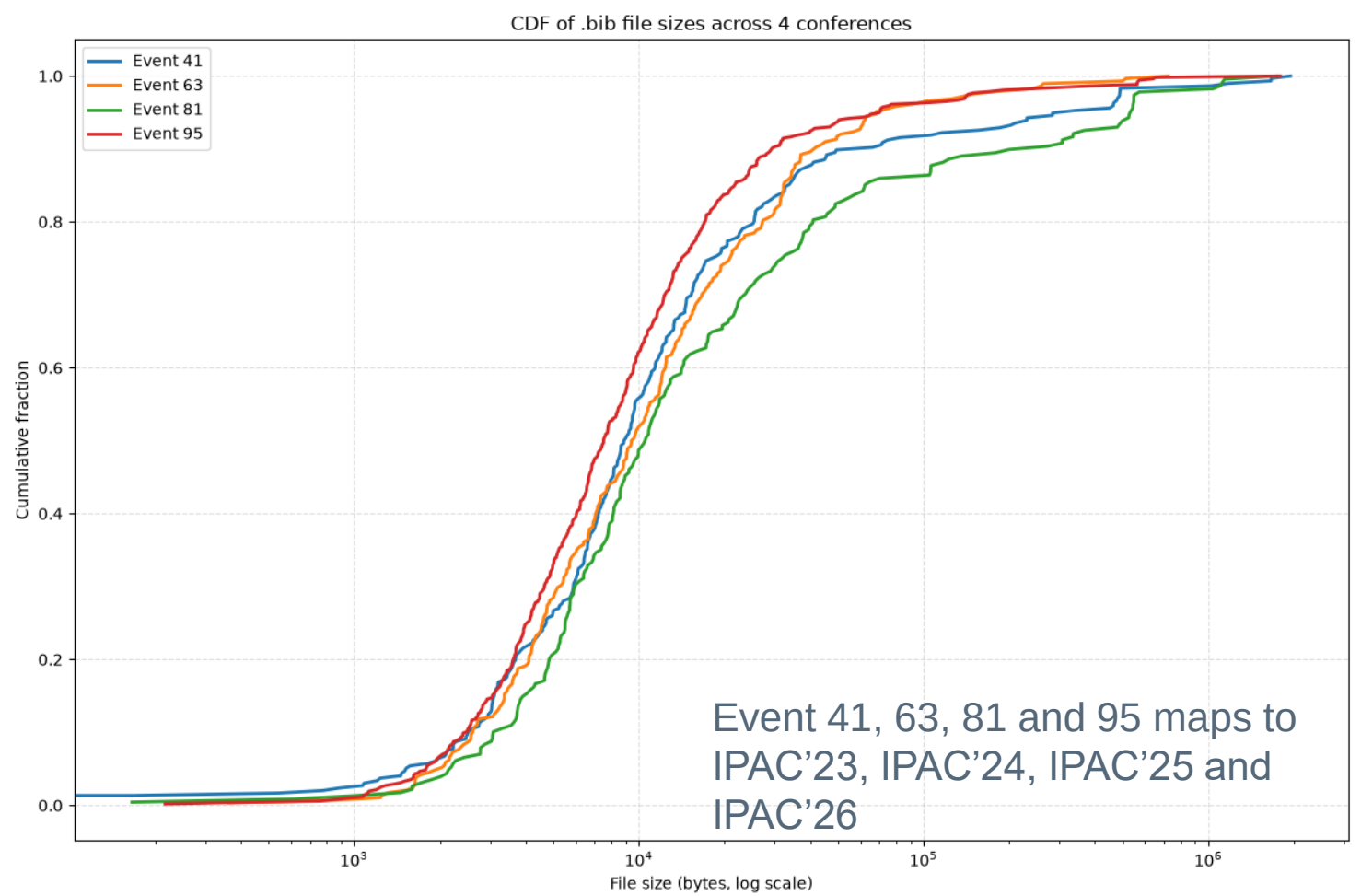
Hundreds to thousands

All four curves extend well beyond 100 entries, with the largest uploads above 1,000.

The 20% estimate needs checking

At 100 entries, a visual reading suggests roughly 5–15% above the threshold.

File sizes also have a long upper tail



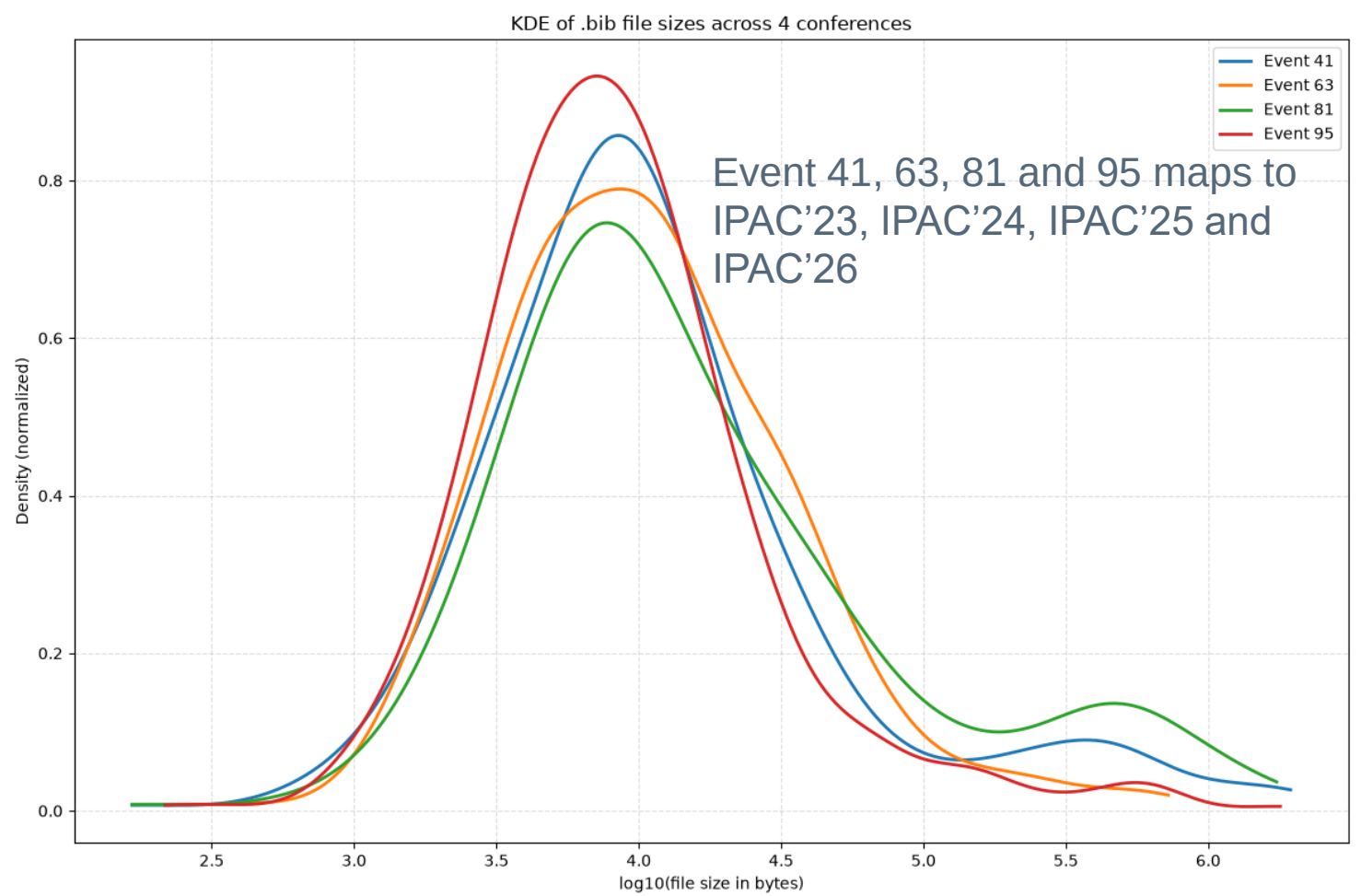
100 kB = 100,000 bytes

The proposed threshold sits at 10^5 bytes on this log-scale plot.

Approximate exposure

The curves suggest about 3–14% above 100 kB across events. Exact rates need raw files.

The size KDE highlights the main concentration



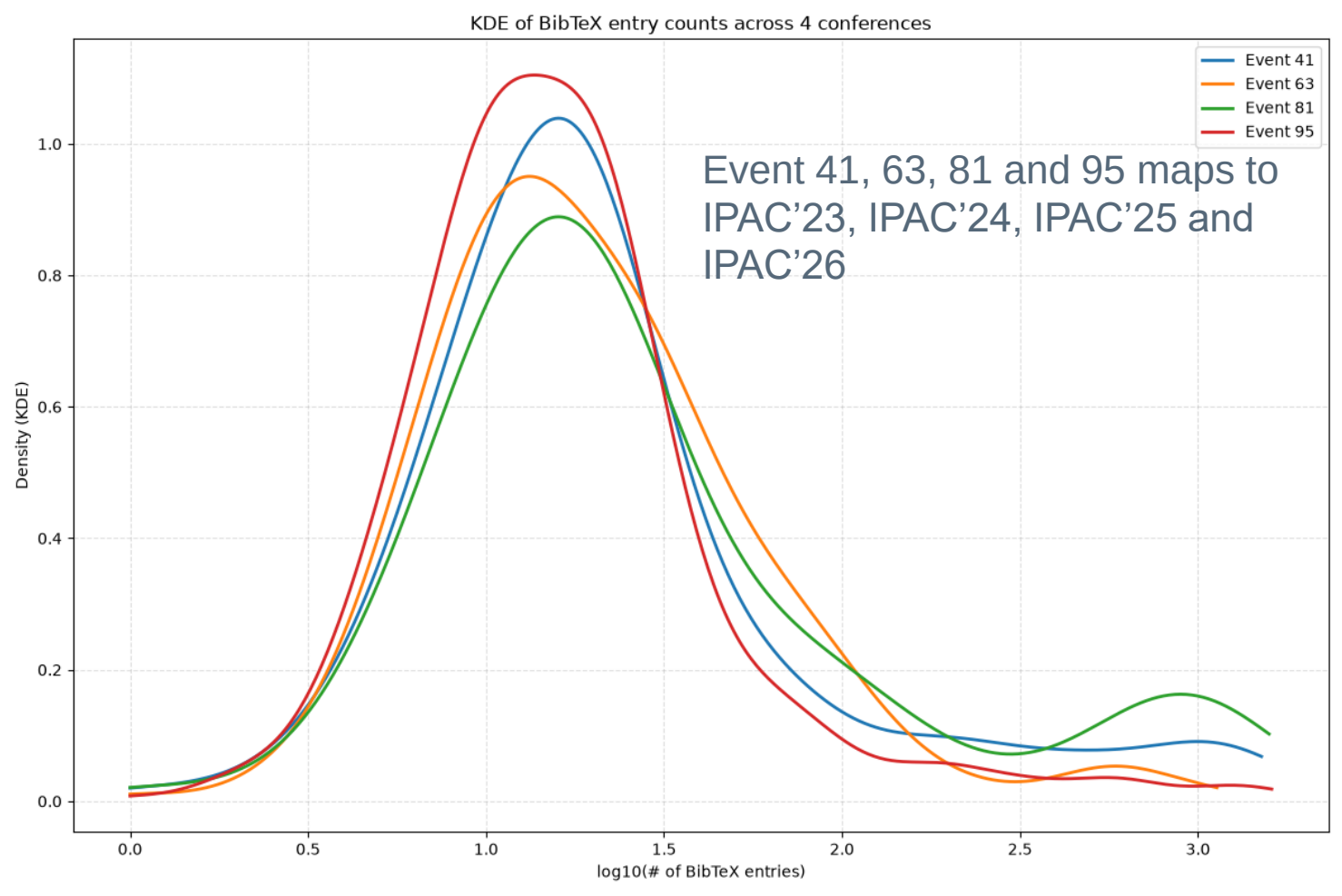
Peaks near 6–10 kB

The main peaks lie around $\log_{10}$(bytes) = 3.8–4.0. A smaller high-size tail remains visible.

Density on a log scale

Curve height shows smoothed density, rather than the number or share of uploads.

The entry KDE shows a common core and rare extremes



Main peaks near 10–20 entries

Smaller humps toward $\log_{10}$(entries) = 3 indicate uploads around 1,000 entries.

Large uploads are consistent with whole-library exports

The plots establish size and count distributions, while author intent remains a hypothesis

01 Observed in the figures

A long tail in both byte size and entry counts across all four events

02 Plausible interpretation

Some authors may upload a personal library rather than a paper-specific file

03 Evidence needed to confirm

Compare parsed records with cited keys and required linked records

A 100 kB threshold is a proposal to pilot

Working definition: 100,000 bytes per .bib file

01 Possible benefit

Flag unusually large uploads and prompt a paper-specific bibliography

02 Limit of the rule

File size alone does not establish whether records are relevant

03 Proposed first step

Pilot a warning with author guidance and a route for legitimate exceptions

Indico needs a check of the upload path

Documented settings distinguish client-side file limits from server-side request limits

01 **MAX_UPLOAD_FILE_SIZE**

Per-file maximum in MB, documented as a client-side check

02 **MAX_UPLOAD_FILES_TOTAL_SIZE**

Server-enforced maximum for the complete upload request

03 **A .bib-only hard limit**

Confirm deployed version, upload route and server-side validation options

Biber supports a document-based reduced .bib export

Candidate author workflow for a BibLaTeX/Biber project, to test before publication

First compile paper.tex to generate paper.bcf

```
biber --output-format=bibtex --output-file=paper-reduced.bib paper
```

Then select paper-reduced.bib as the bibliography resource and rebuild

Verify the resulting citations and bibliography before uploading the reduced file.