

Next MAD-X Production Version (short communication)

- MAD-X Production Version **4.00.08**
- Eliminate individual **BV** flag and related **bugs**, in parallel fix **LHC** sequence files by Thys
- “**Fully**” debugged core; testing and upgrading of all examples
- Only one executable **madx** including **PTC** (I keep **madxp** as a link to **madx**)
- **F77** files replaced by **F90** (transition planned years ago!)
- **Single Makefile**
- Still optimizing for performance → **tiny numerical differences to be expected**
- **MAD-X Meeting** will be convened with all concerned to present the new version and the consequences concerning **LHC** lattice version; discuss user needs
- **Important!** After the discussion Thys will make official the new **LHC** sequence without individual **BV** flag while “**hiding**” the old one for backwards compatibility
- Release of **madx** and new **LHC** sequences by the end of the week
- Additionally and on all 3 platforms we will keep **madx 3.04.53** named “**madx_old**” as the old production version and the newest debug version will be “**madx_dev**”