PravdaMC User Guide

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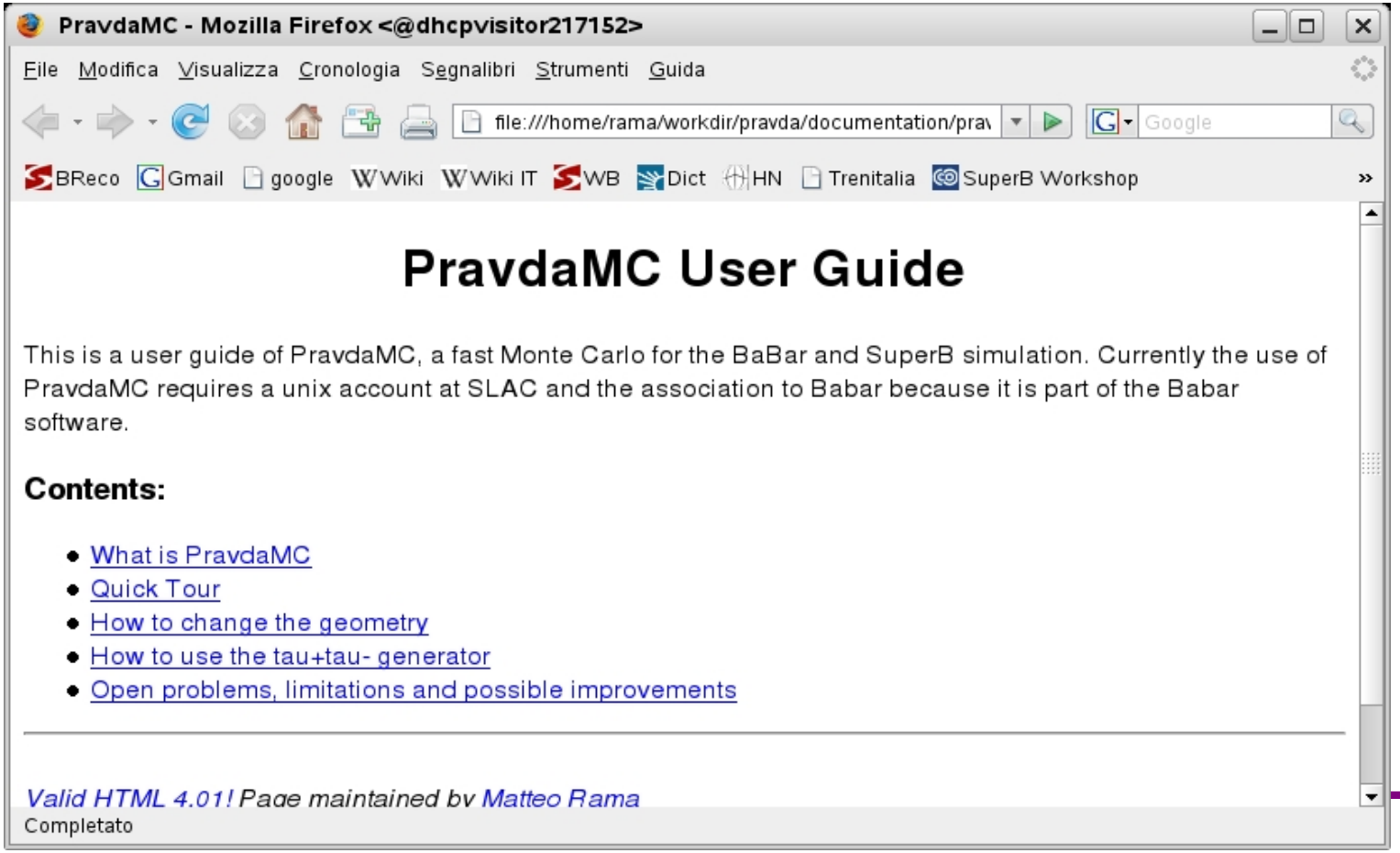
project: write a PravdaMC User Guide

- My view of the steps in fast simulation:
  - provide a simple tool NOW (PravdaMC)
  - improve it and explore other possibilities
  - work with full simulation group to understand if it's possible to build a common framework
- The first goal is quite close. I'd like it to be accompanied by a User Guide with:
  - instructions
  - bugs
  - planned improvements
  - intrinsic limitations

User Guide

- The documentation is not final but it can already be used.
  It's in a temporary location
  http://www.slac.stanford.edu/~rama/temp/PravdaMC
- I'll modify the link in this slide when the new address is available



User Guide

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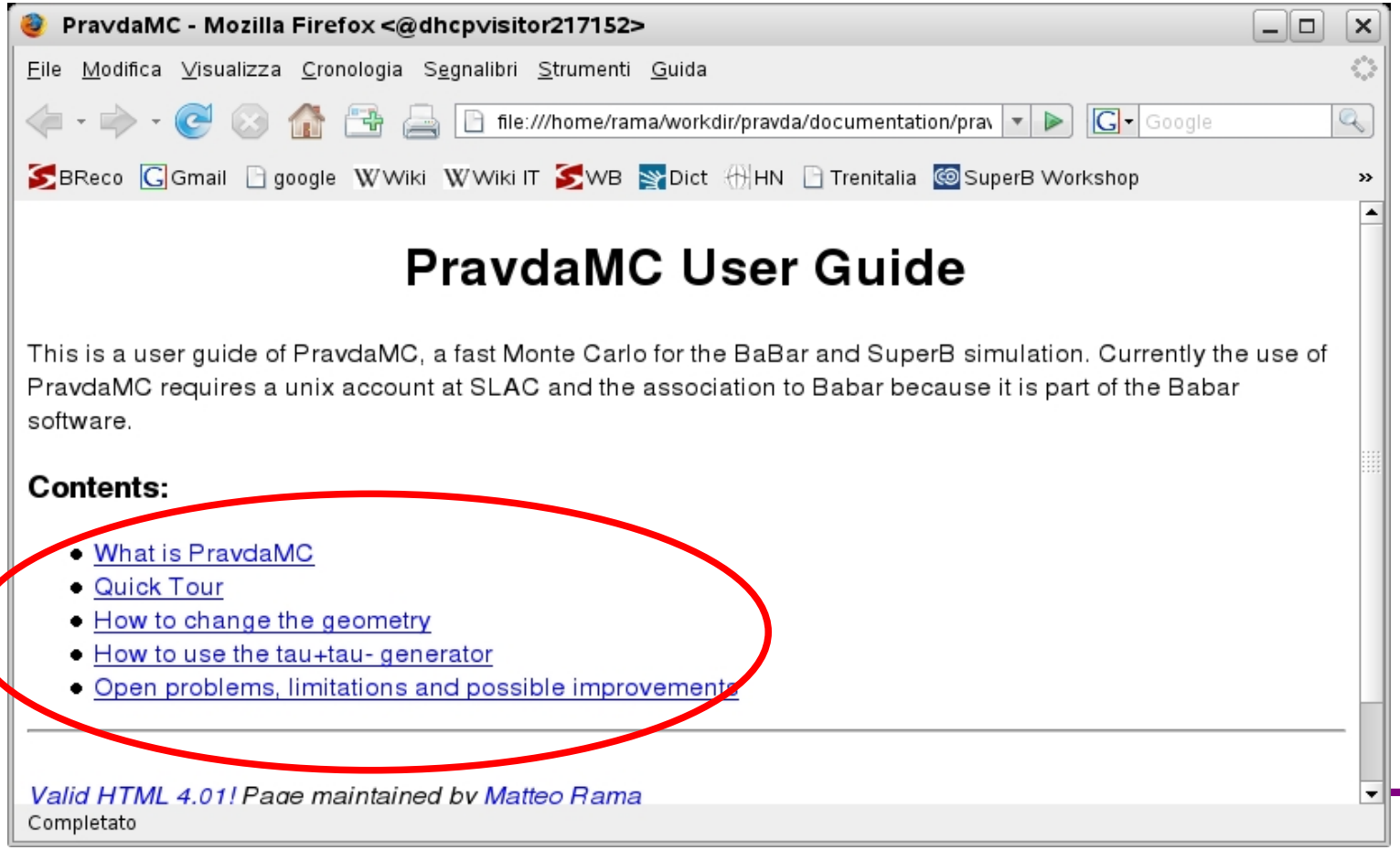
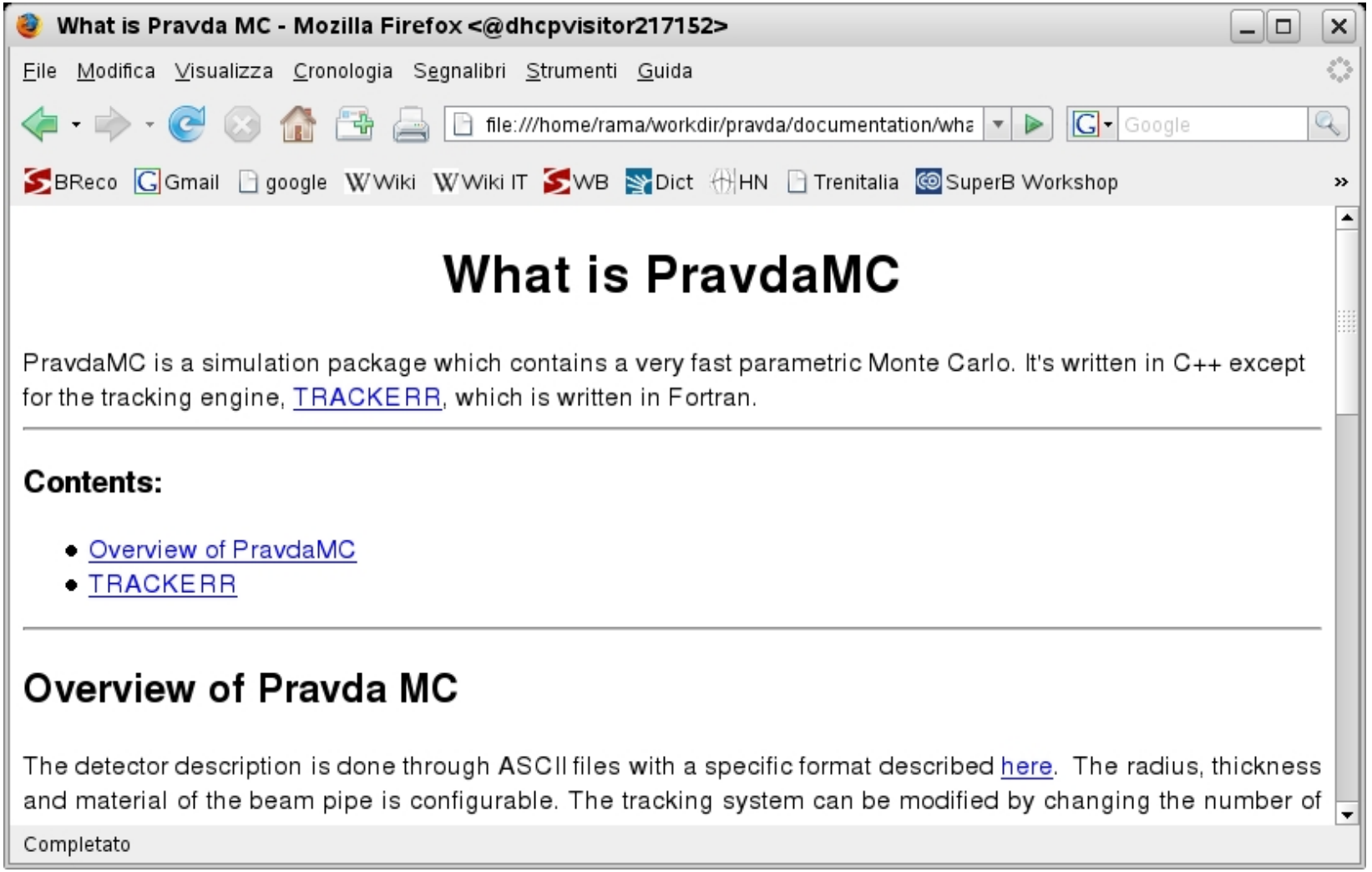
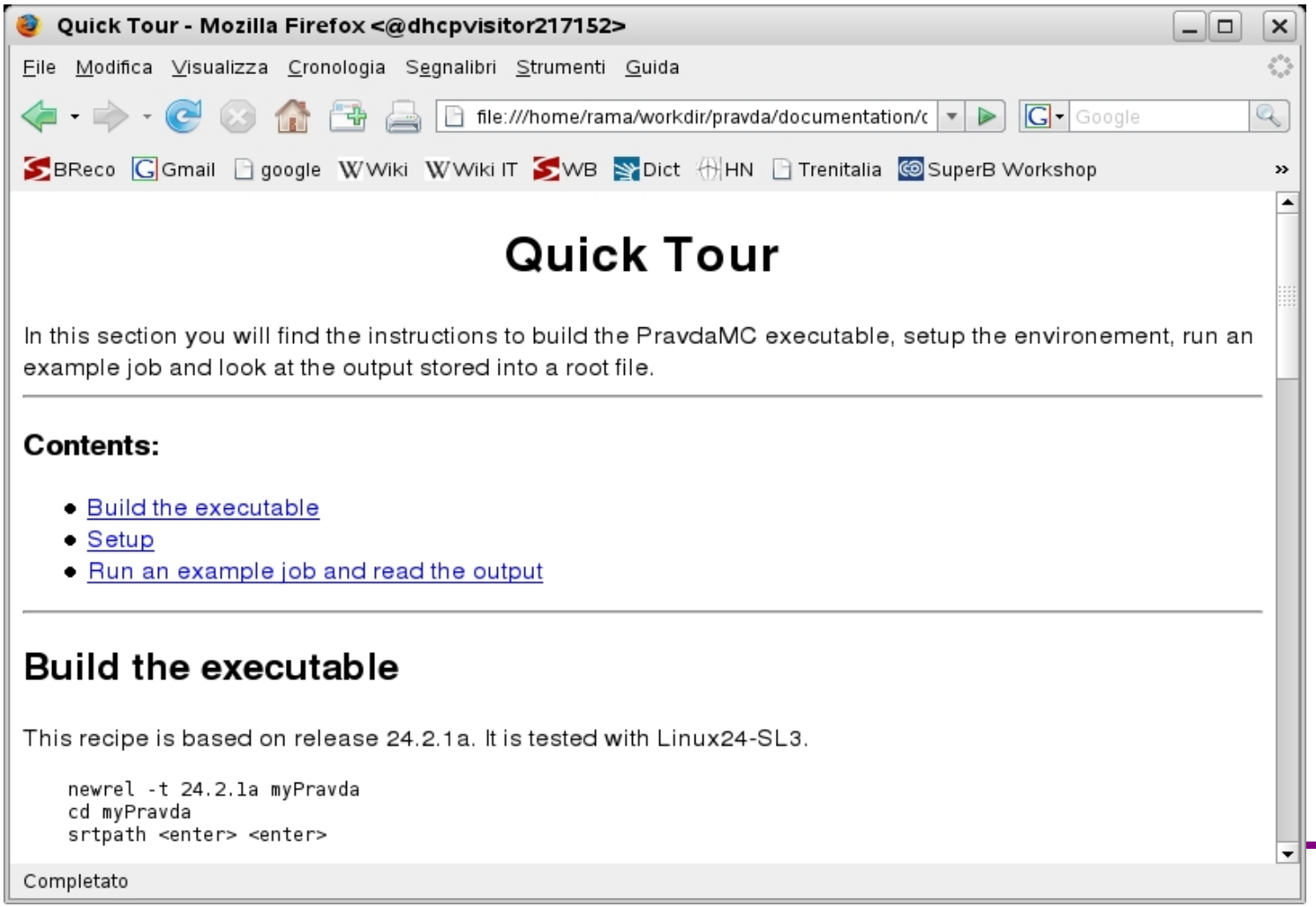


Overview of the program

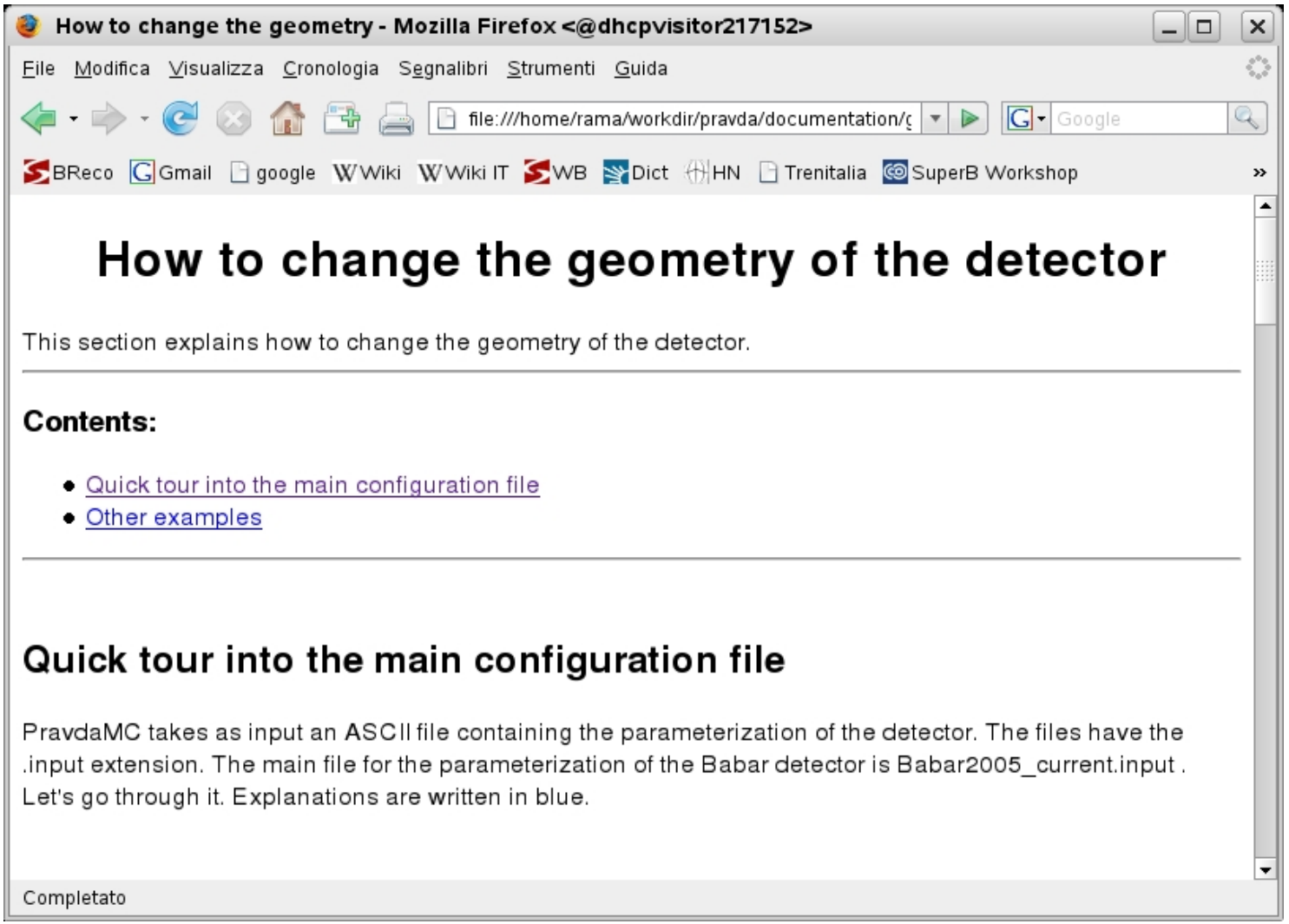


Quick tour

- the step-by-step recipe allows the first-time user to simulate 1000 B0->π+π- events and look at the ΔE,mES distributions in 5 minutes

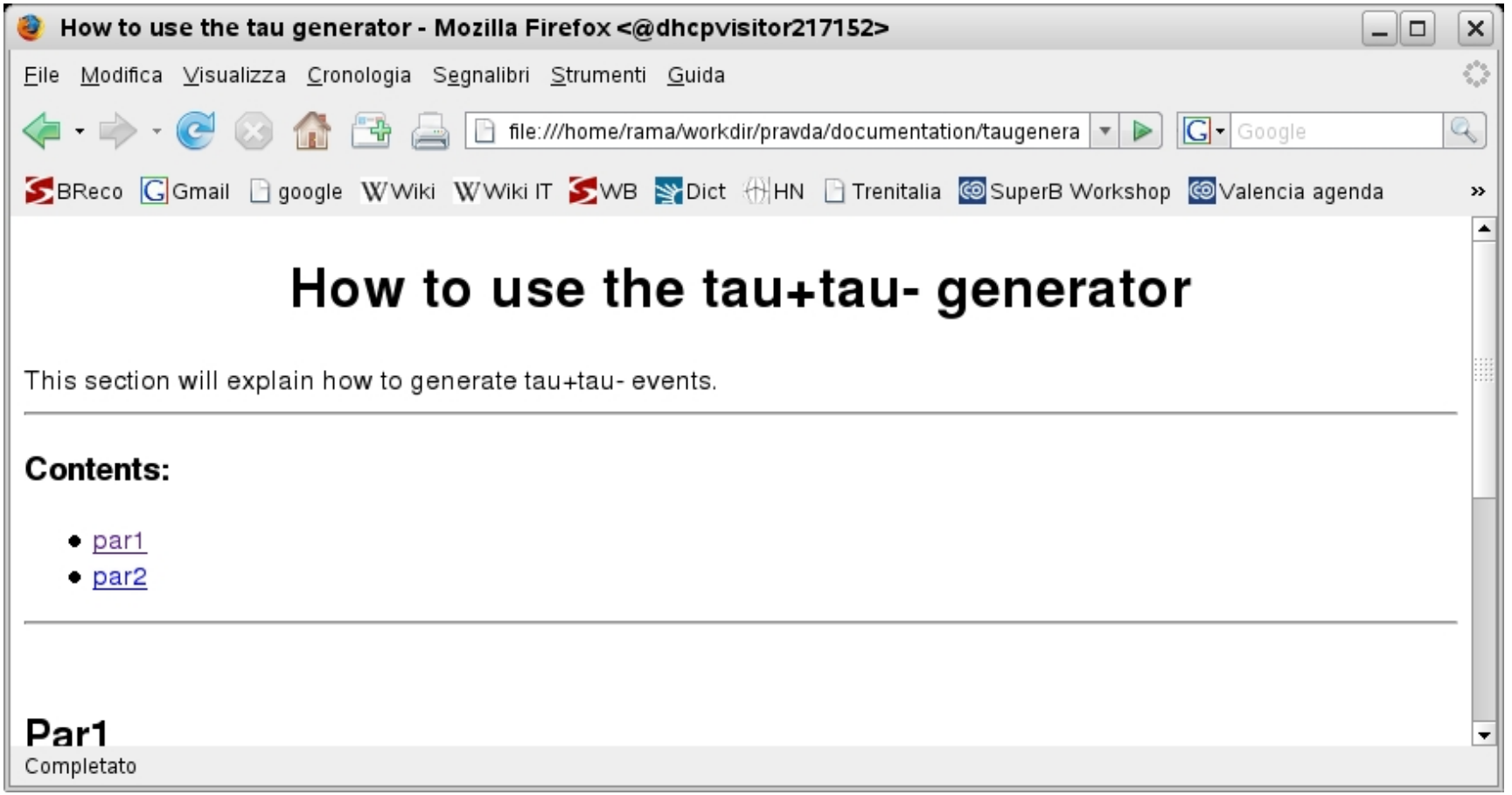


How to change the geometry of the detector



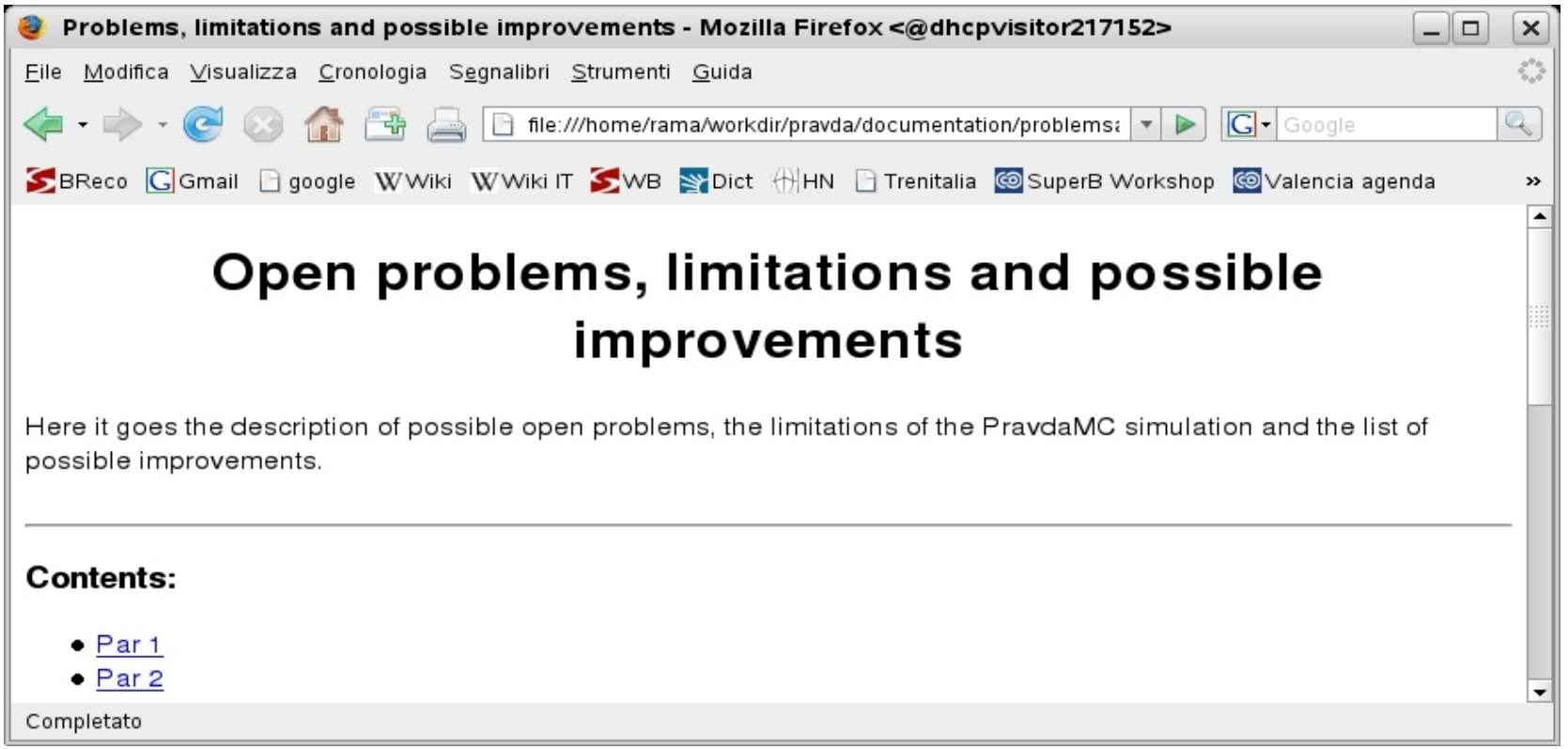
How to generate τ+τ- events

- Need to complete a few sections...



Open problems, limitations and possible improvements

- bugs, description of what the program cannot do or does poorly, planned and possible improvements, comparison with full simulation



Accessibility and help

- Accessibility: PravdaMC is a Babar code and therefore it's not accessible outside Babar. Probably this subject will be discussed this afternoon at 4pm
- Help: users of PravdaMC are warmly encouraged to take active part in fixing the bugs and updating the documentation. Contact me.