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MODEST Collision WG <http://www.manybody.org/modest/WG/wg4.html>

MODEST Monte Carlo web site [http://obswww.unige.ch/~freitag/MODEST\\_MonteCarlo/intro.html](http://obswww.unige.ch/~freitag/MODEST_MonteCarlo/intro.html)

What I have done / am doing / would like to do:

- Collisional dynamics of galactic nuclei

- Collisions/ tidal disruptions rates
- Captures by MBH (LISA sources)
- Growth of (I)MBH
- Infall of IMBHs (dream source for LISA)
- Cusp dynamics (with N-body?)

- Young (and not so young) dense clusters

- Run-away collisions to form VMS/IMBH

- Stellar collisions (for their own sake)

- MS-MS at high  $V_{rel}$  (Freitag & Benz 2004)
- Collision with pre-MS/giants/compact

