tmux

`tmux` is a useful tool to keep long time tasks (a.e. magma, matlab) running on a computer without keeping your session online during the whole computation:

Session

- Initial Start:
  - open a console and connect through SSH to the machine you want to run the task on (most likely: compute.math.uzh.ch) by typing the host name: **[user@tlX] compute** and enter your password (there is a script called 'compute' which does nothing else than 'ssh compute' - in our evironment it's not necessary to type 'ssh compute')
  - type `tmux`
- Detach:
  - to detach from screen ("send it to background"), press `Ctrl + b  d`
  - you now can log off from the terminal and your task will keep running
- Attach again:
  - if you want to check progress of your computations, log into the machine where your task is running like you did before
  - Show list of sessions: `tmux ls`
  - use `tmux attach -t <nr>` to connect to your task.

Screen splitting

- Split *Horizontally*: Press Ctrl+b then " - This creates a new pane below the current one.
- Split *Vertically*: Press Ctrl+b then %
- Close open pane: Ctrl+d
- Navigate between panes using Ctrl+b and the arrow keys

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