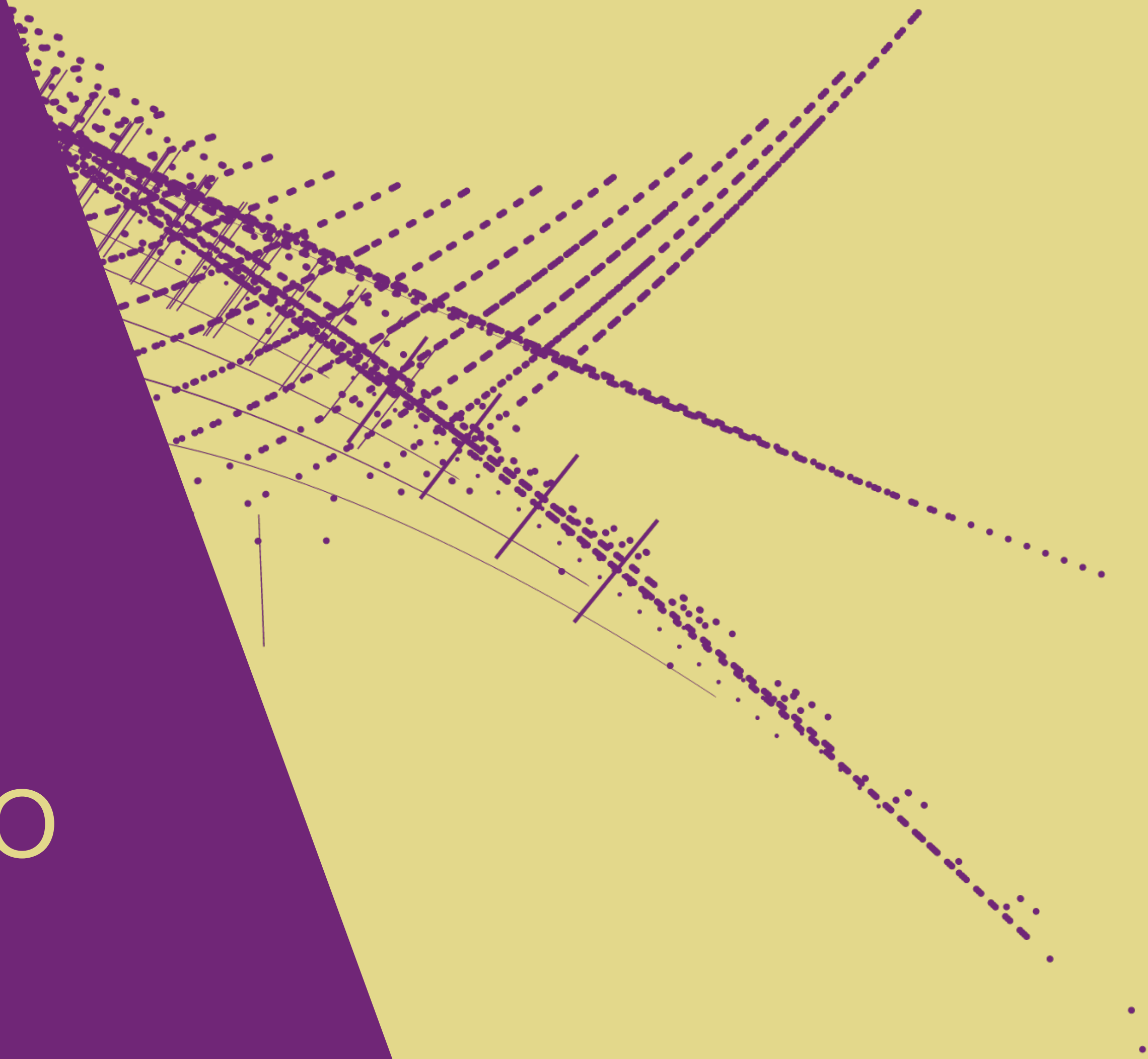
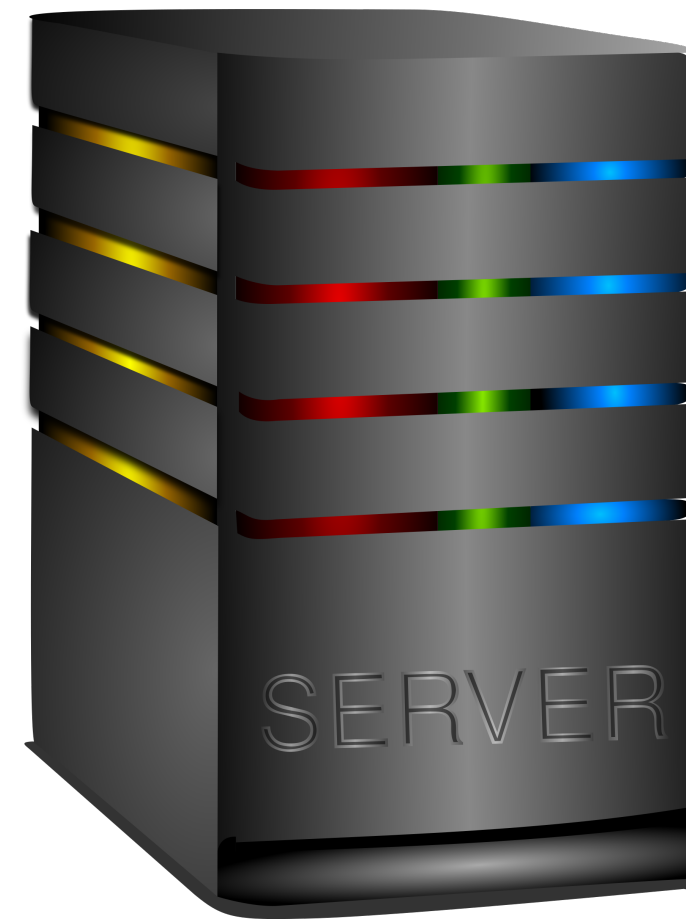




COMPUTING COURSE INTRO

J. TEMPLON





YOUR DEVICE(S)



SECURITY & PRIVACY



WORKING TOGETHER

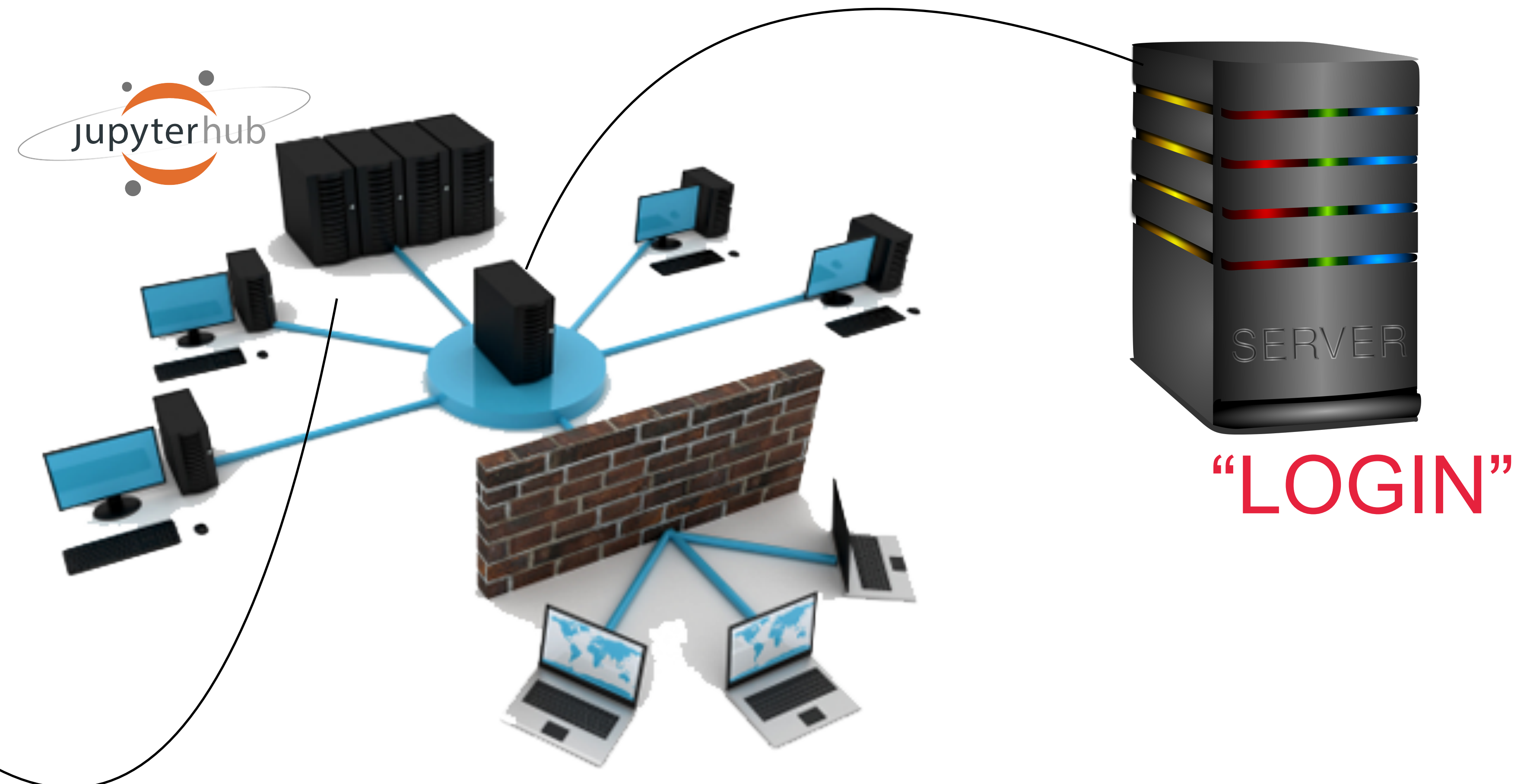


CLOUD
SERVICES?



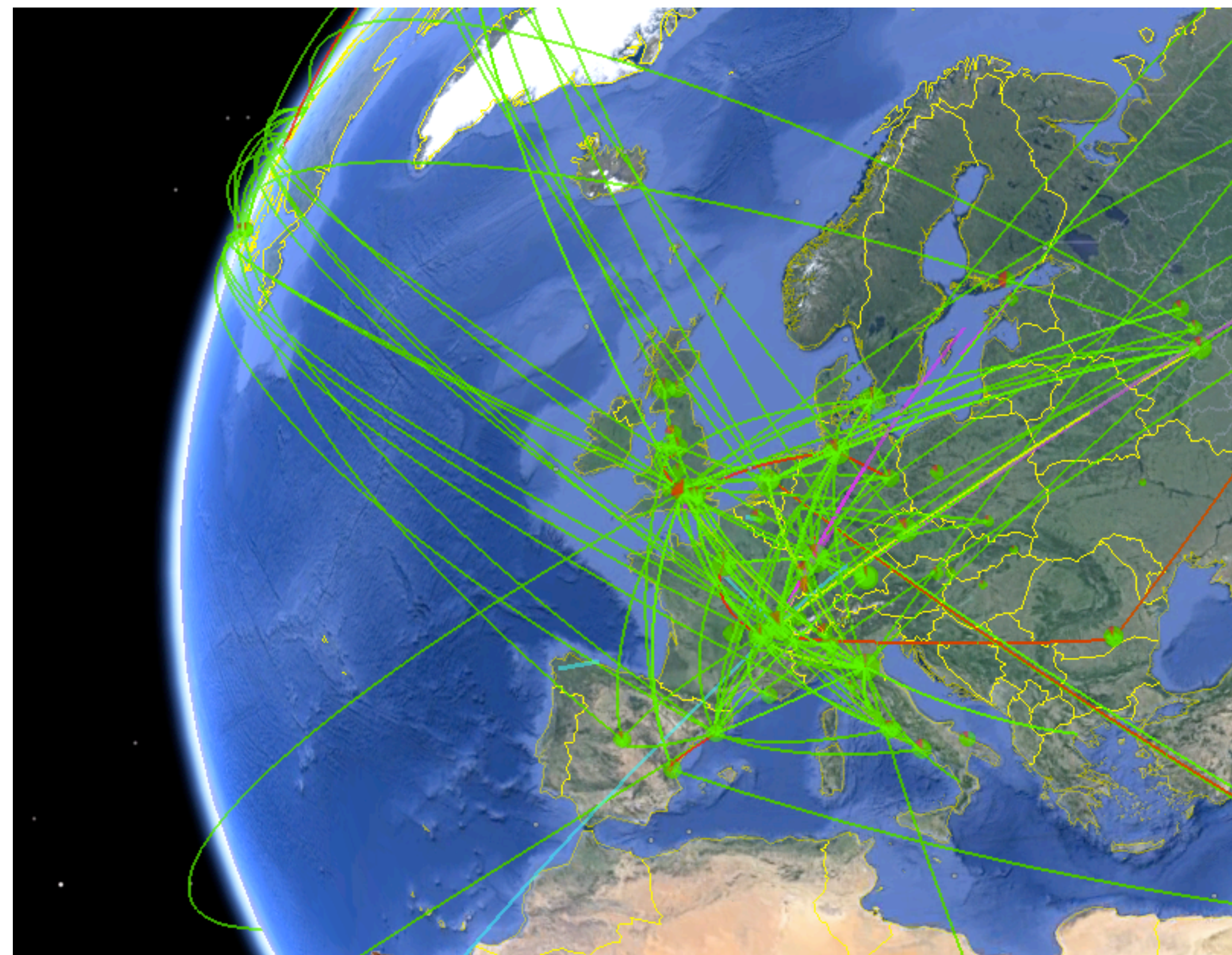
RESEARCH COMPUTING SERVICES

STOOMBOOT



YOUR LAPTOP

ACCELERATING CODE & HARDWARE



LARGE SCALE COMPUTING

ACCELERATING CODE & HARDWARE



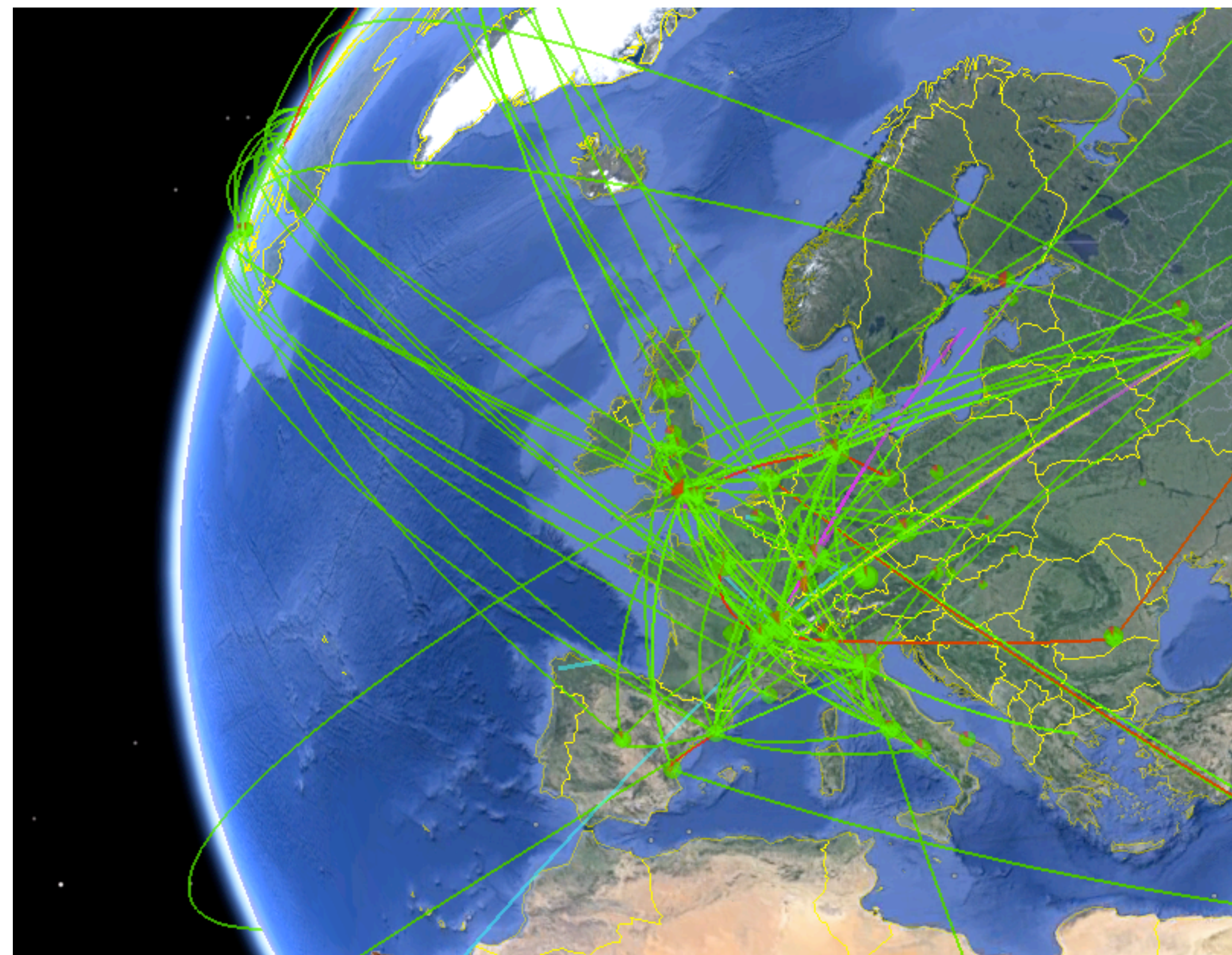
```
factors [ 23 31 89 601 881 1801 3191 201961 P21:382027665134363932751 P40:4074891477354886815033308087379995347151 ]
./factorize -M $1 8836.61s user 0.30s system 99% cpu 2:27:20.87 total
~/gofact_extendrange_ganymede
(15:03:02 on master * *) -> ./yfecem.sh mers-275.txt
rm: cannot remove 'siqs.dat': No such file or directory

fac: factoring 60708402882054033466233184588234965832575213720379360039119137804340758912662765567
fac: using pretesting plan: custom
fac: custom pretest ratio is: 0.5000
fac: no tune info: using qs/gnfs crossover of 95 digits
div: primes less than 10000
rho: x^2 + 3, starting 256 iterations on C66
rho: x^2 + 2, starting 256 iterations on C66
rho: x^2 + 2, starting 256 iterations on C61
rho: x^2 + 1, starting 256 iterations on C61
pm1: starting B1 = 150K, B2 = gmp-ecm default on C61
ecm: 30/30 curves on C61, B1=2K, B2=gmp-ecm default
ecm: 0/74 curves on C61, B1=11K, B2=gmp-ecm default
Total factoring time = 0.2938 seconds

***factors found***
P2 = 23
P2 = 31
P2 = 89
P3 = 601
P3 = 881
P4 = 1801
P4 = 3191
P6 = 201961
P21 = 382027665134363932751
P40 = 4074891477354886815033308087379995347151
```

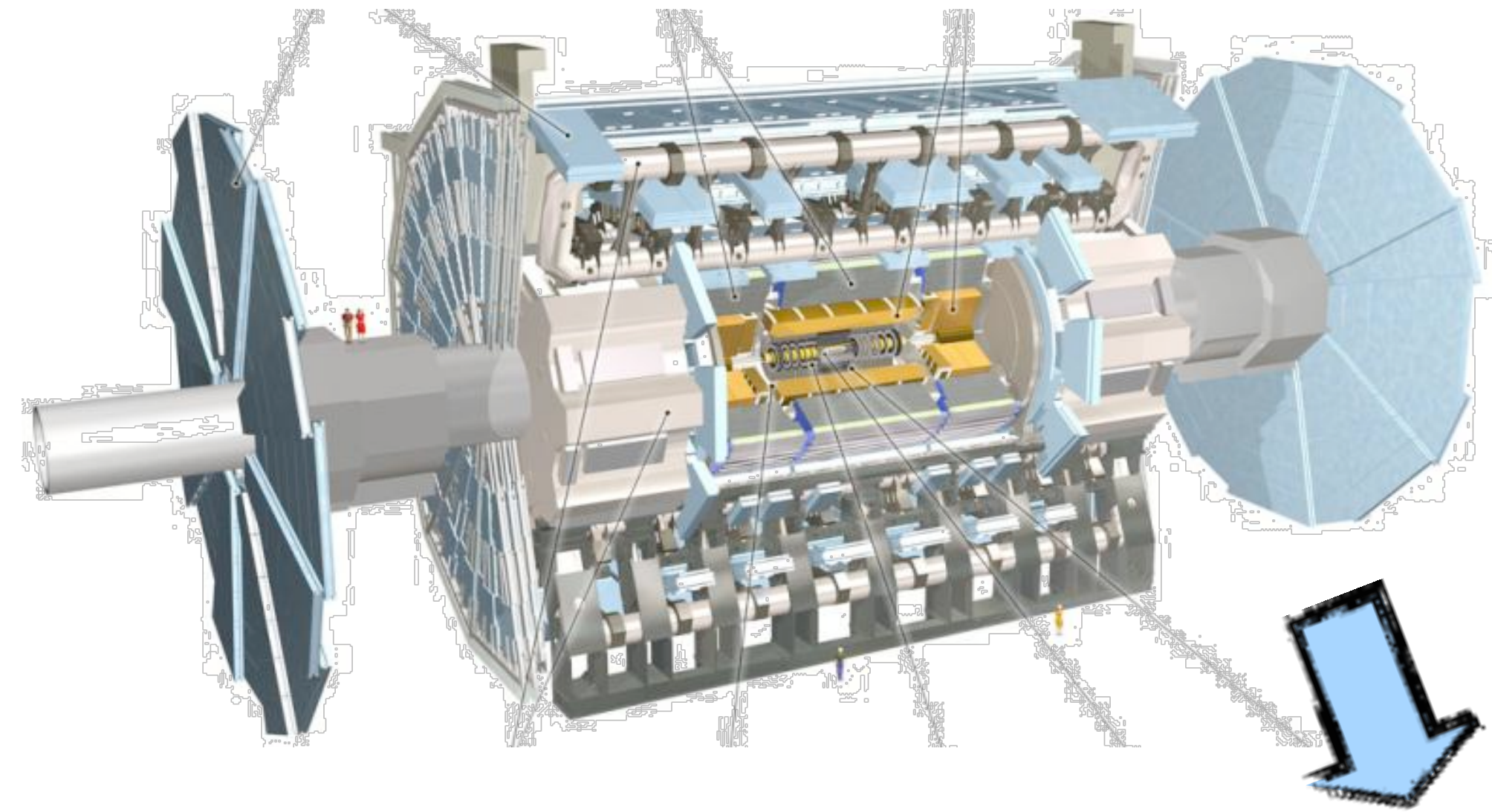
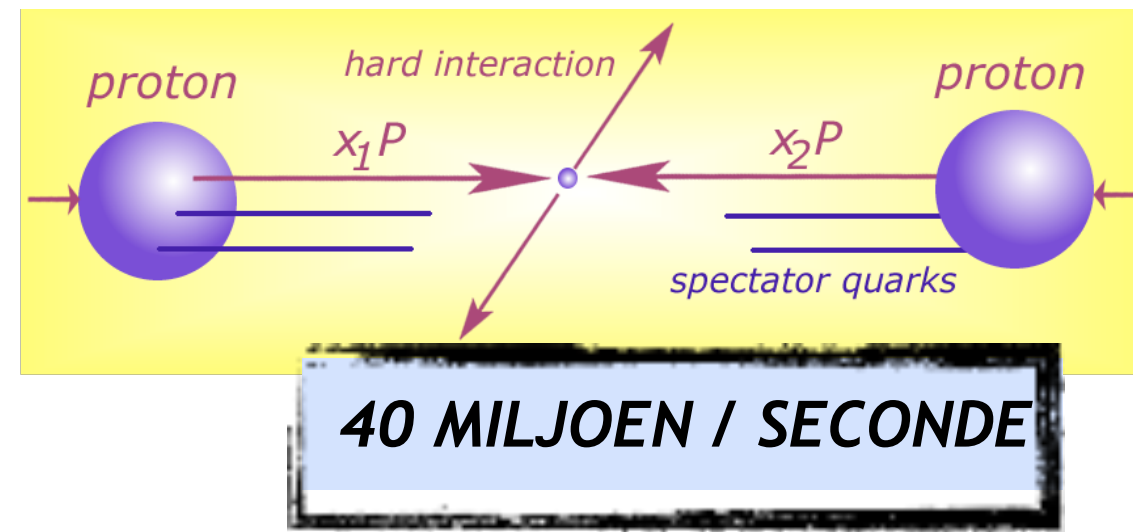
LARGE SCALE COMPUTING

ACCELERATING CODE & HARDWARE

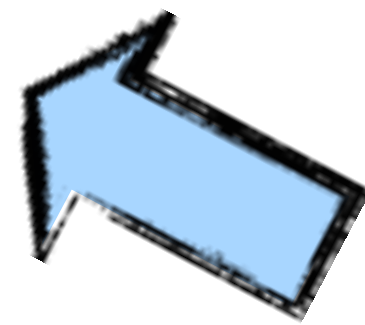
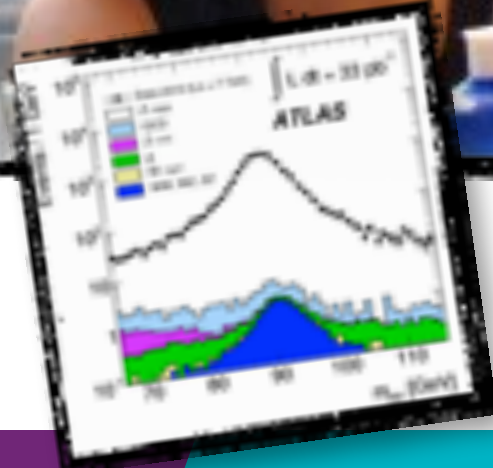


LARGE SCALE COMPUTING

WHAT DID YOU DO? MANAGING DATA AND SOFTWARE



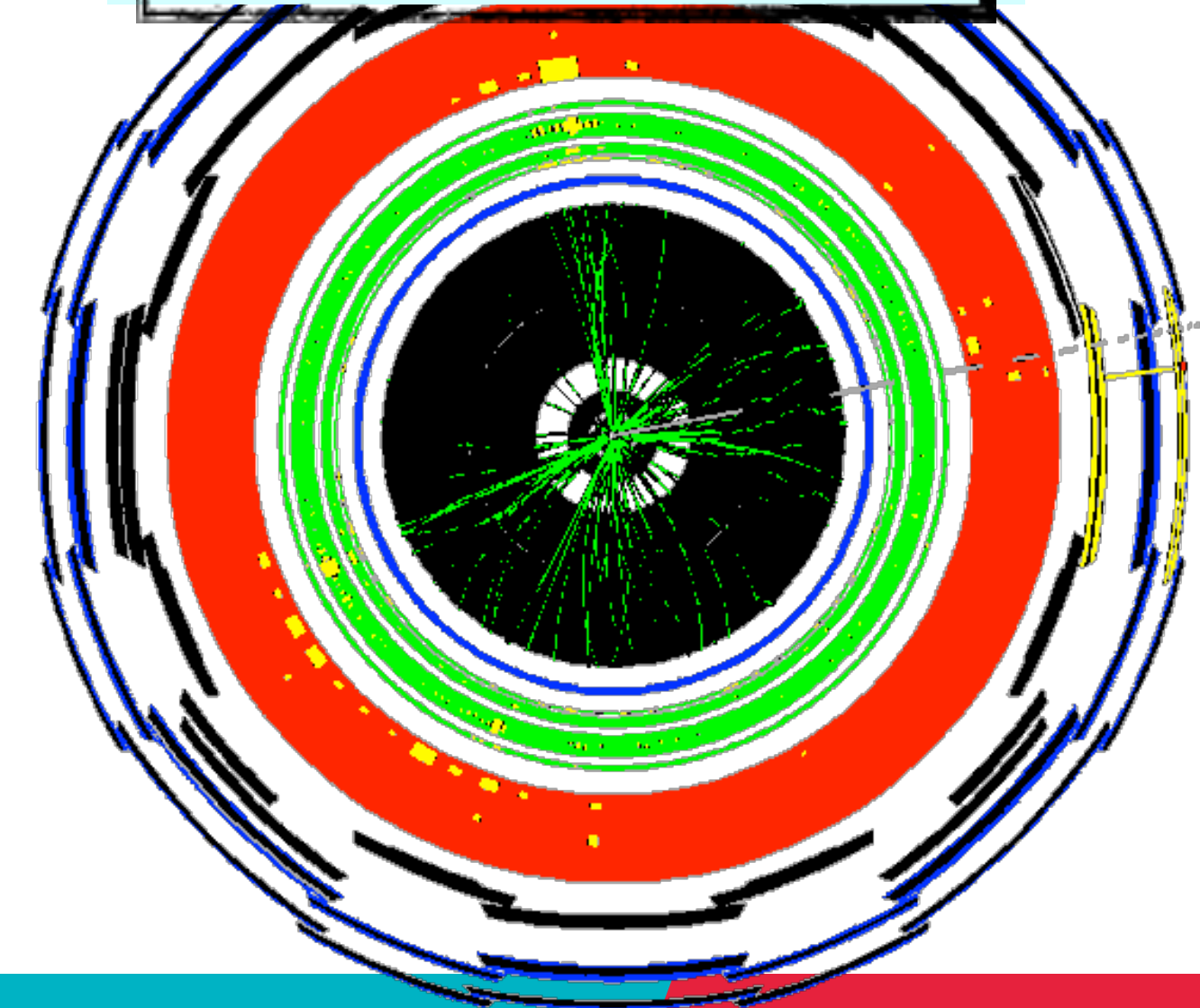
ANALYSIS OF RESULTS BY
STAFF AND PHD STUDENTS



DATA DISTRIBUTION IN
THE NATIONAL AND
GLOBAL
E-INFRASTRUCTURES



FILTERING AT SOURCE SELECTS
~ 600 HZ, SO ~ 1 GB/S DATA



LAST WORDS

- Documentation is available
- Help too :
 - helpdesk@nikhef.nl
 - stbc-users@nikhef.nl
 - stbc-admin@nikhef.nl
 - Office Hours 1st Thursday
 - Our offices have “doors”

Course is aimed to help you do your work : let us know if that was successful and how we can improve