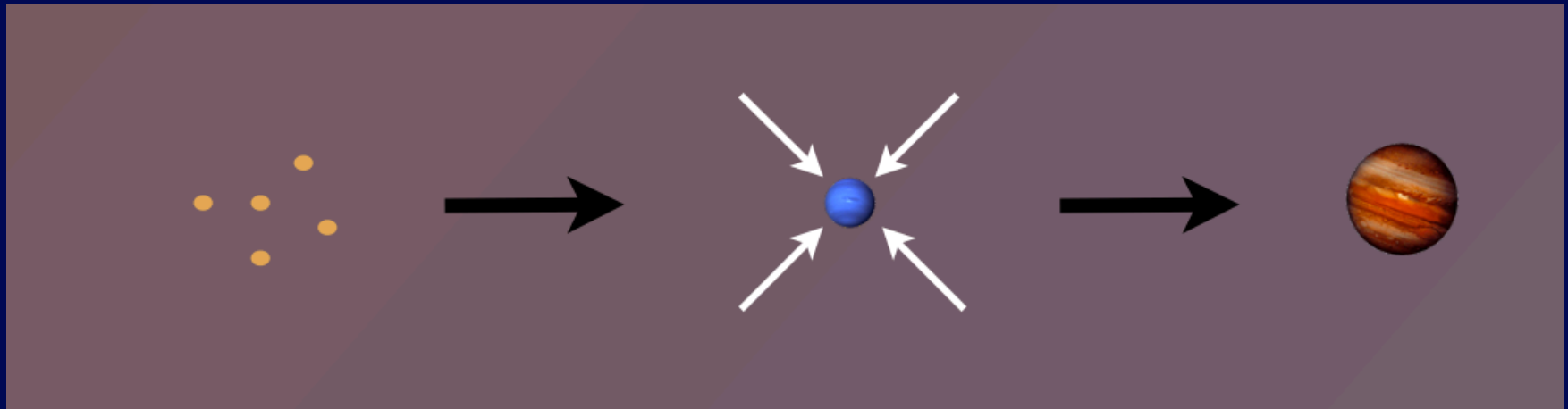


Origins of Gas Giant Compositions

Ana-Maria Piso, EPSS Department

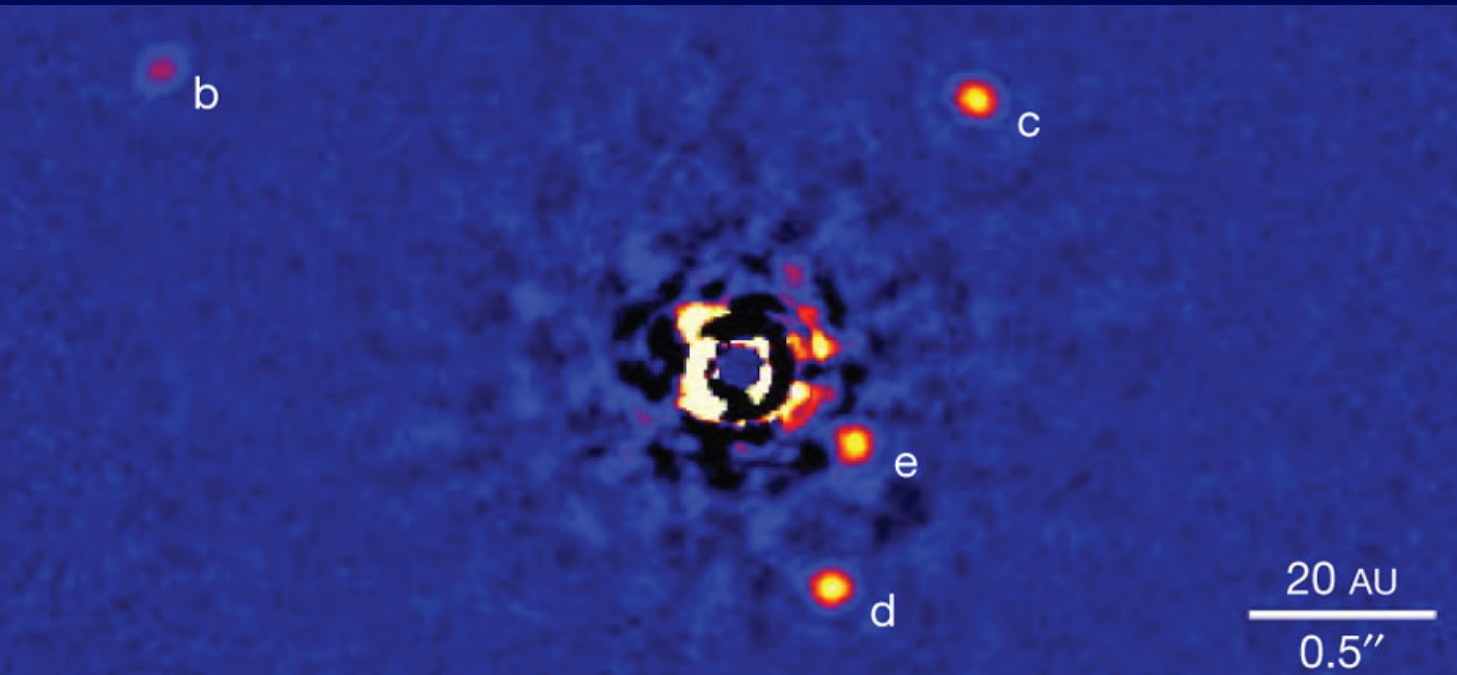


PLANET COMPOSITIONS

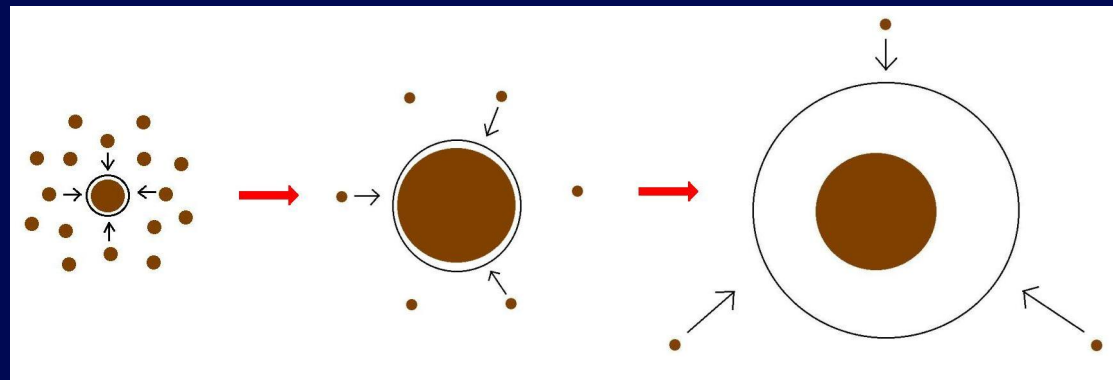
determined by and **tightly linked to**

DISK COMPOSITION

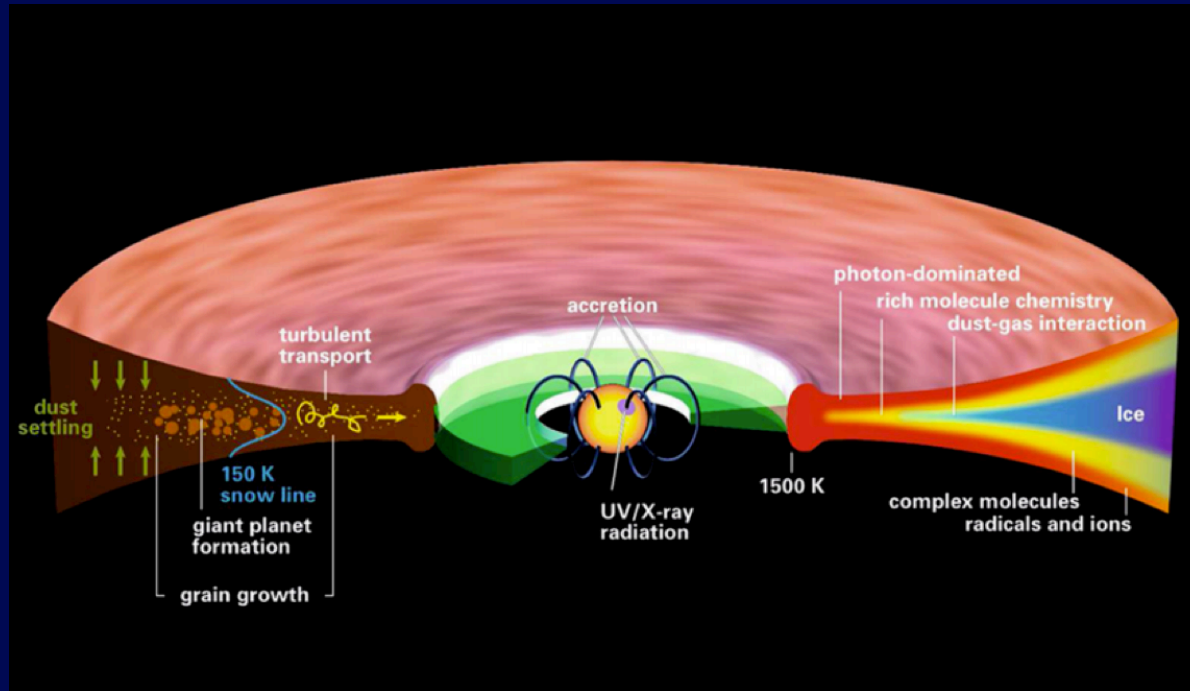
Where in the disk can giant planets form?



What is the
MINIMUM CORE MASS
required to form a gas giant
through
CORE ACCRETION?



What compositions will the formed giant planets have obtained?



What is the effect of
DISK COMPOSITION
and
DYNAMICS
on ...

... **SNOWLINE LOCATIONS**

and

ELEMENTARY RATIOS (C/N/O)

in disks and planets?

