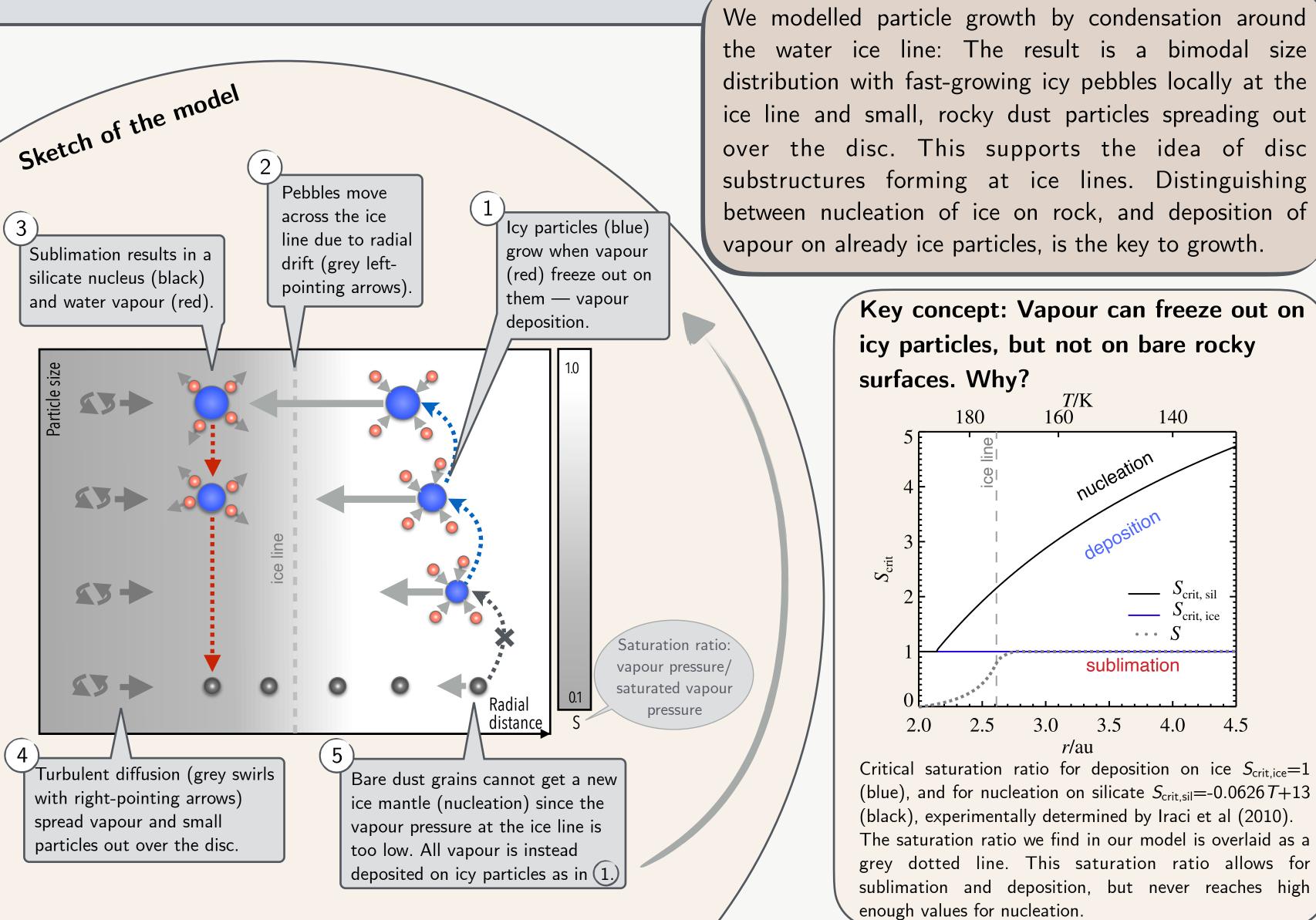
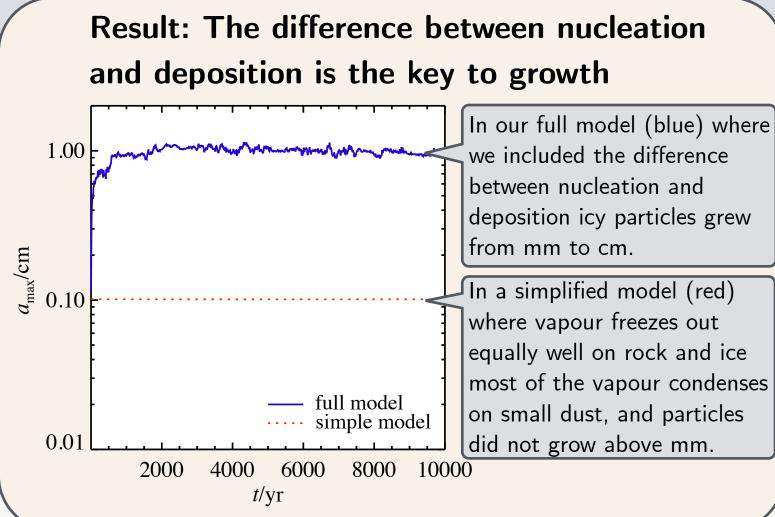


Gaps and rings at ice lines: Icy pebbles and small rocky dust

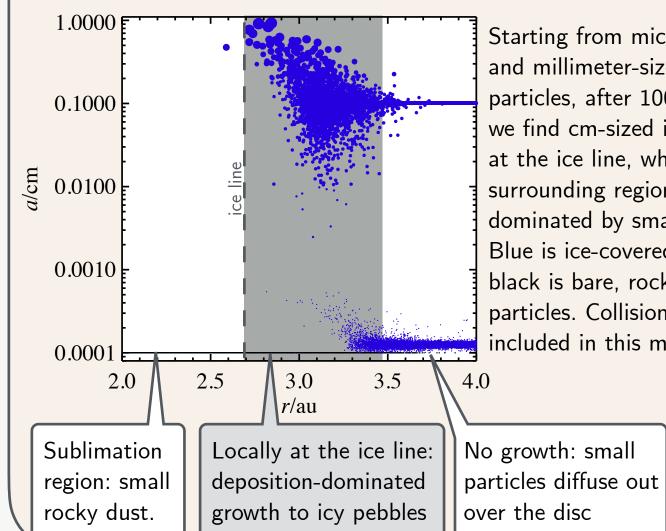
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Ros, Johansen, Riipinen & Schlesinger, A&A, 2019



Result: Icy fast-growing pebbles at the ice line, small rocky dust elsewhere



Starting from micron-sized and millimeter-sized particles, after 1000 years we find cm-sized icy pebbles at the ice line, while surrounding regions are dominated by small dust. Blue is ice-covered particles, black is bare, rocky particles. Collisions are not included in this model.

