

## An alternative silver-exchanged zeolite for noble gas collection and separation





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- Recent breakthroughs in Xe collection and separation based on 2 synthetic Ag-zeolites
- Can we find other Ag-zeolite options?
  - Ensure long-term availability
  - Further enhance Xe collection and separation process
- Investigation of a Ag-exchanged natural chabazite with a surface treatment for homogenisation
- Xe adsorption capacity in air about 10 times higher than activated carbon

BUT two to four times lower than currently used synthetic Ag-zeolites







