



NuDat 3 Overview

Donnie Mason

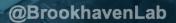
National Nuclear Data Center (NNDC)

Consultancy Meeting on Information Exchange on Developments and Operations of Nuclear Data Dissemination Services

Jan 17, 2024







Google Analytics

- Google analytics for broad overview
- Overviews per web application
- Focus modernization efforts
- Provide a better experience for the most users possible

Life-time Geolocation data



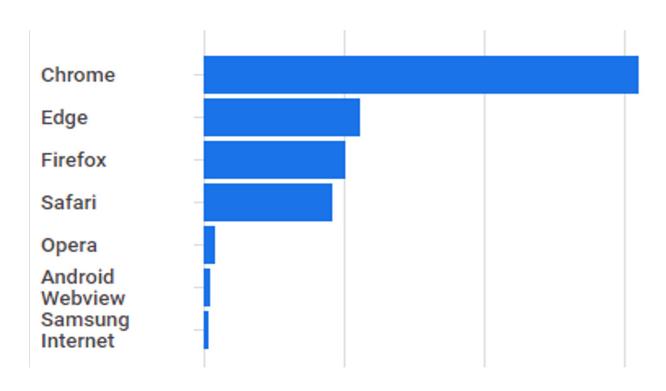
Real-time Geolocation data (09/12/23 9am EST)



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Web browser

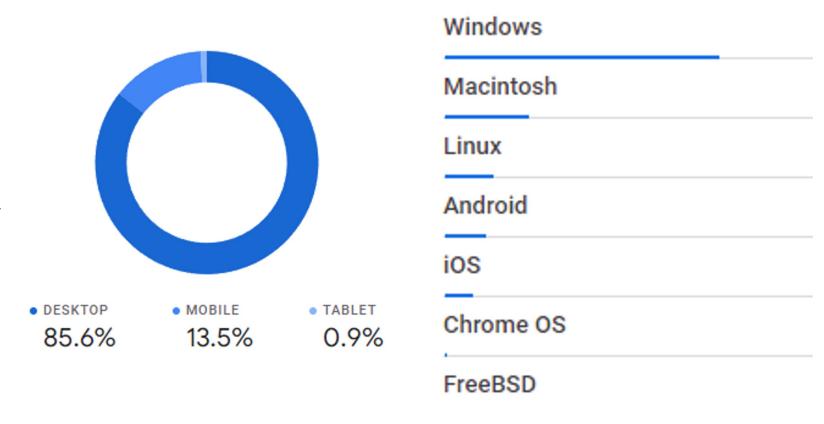




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Device type / Operating system

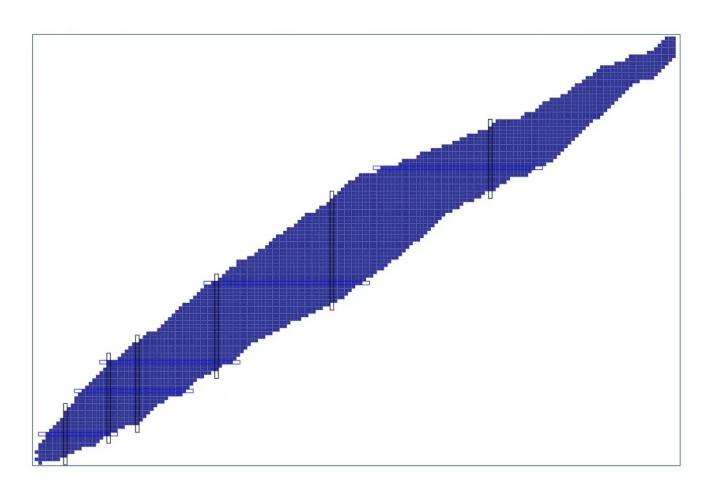




Custom Analytics

2021-10-27

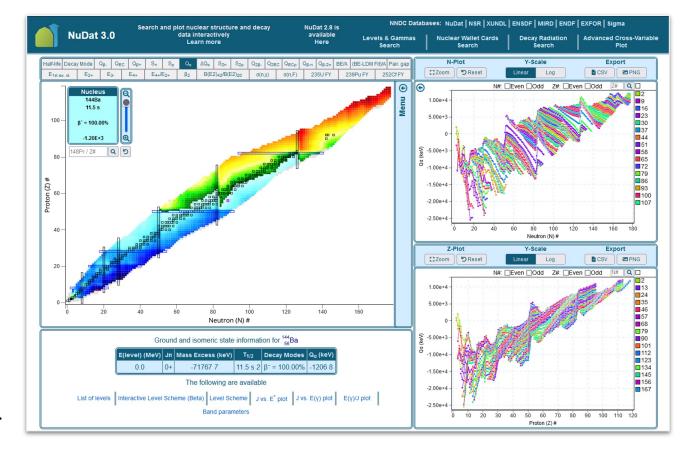
- Web application specific analytics
- NuDat 3 nuclide 'popularity' by date (right)
- Physics insights
- Prioritization of evaluations





NuDat 3.0

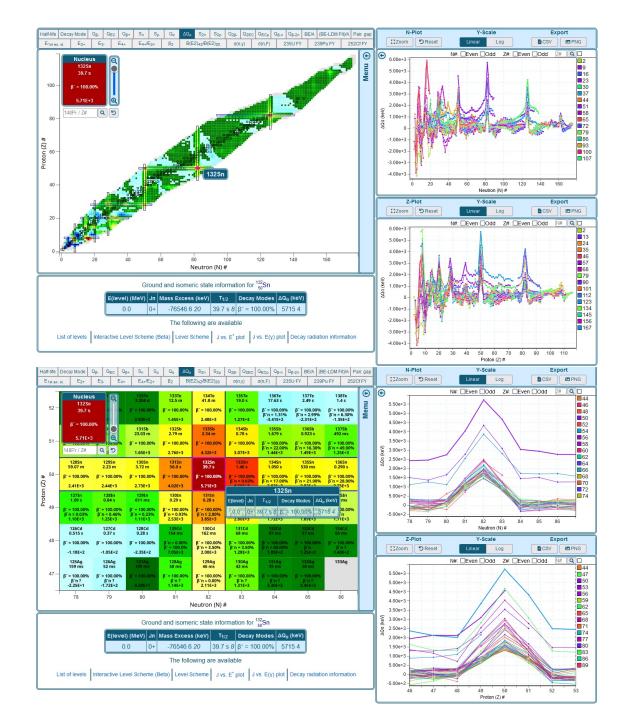
- Major overhaul to one of our most frequently visited web applications
- Transitioned from to server-side to client-side image generation
 - Significant performance improvements
 - Dramatically reduced load times
 - Responsive visualizations for better UX
- Overwhelmingly positive user feedback
- Future plans
 - Ongoing optimization
 - Additional features
 - Similar modernization overhauls for other web applications



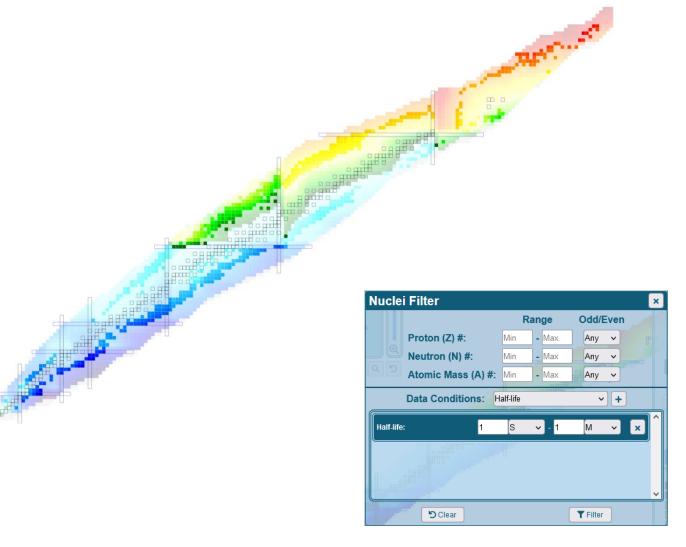


- Responsive visualizations
 - Seamless pan/zoom controls
 - Synchronized plots
- Advanced data filtering
- Export data as CSV/JSON
- Export chart or selection as PNG/SVG
- Upcoming features
 - Improved user interface
 - 3D visualizations
 - Additional datasets



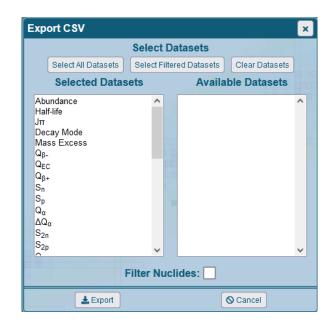


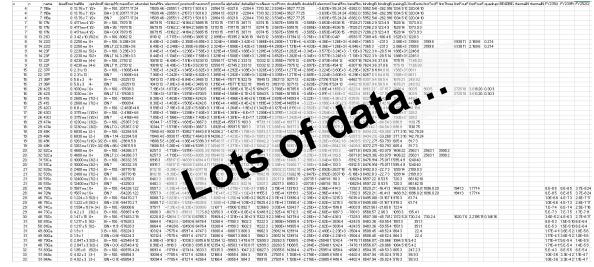
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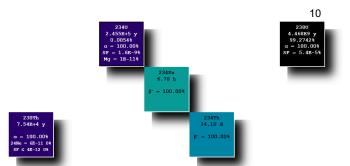
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3D Chart of Nuclides (Coming soon)

