Bug List - TablePage.tsx

Critical Bugs

1. **Race Condition in Auto-save**: `scheduleAutoSave()` uses stale closure values for `updatesSnapshot` and `deletionsSnapshot` instead of current state values when the timeout executes.
2. **Infinite Re-renders**: `displayArr` is calculated on every render without memoization, potentially causing infinite re-renders in child components.
3. **Memory Leak**: `idleTimeoutRef.current` timeout is never cleared on component unmount.
4. **Stale State in Save Function**: The save button onClick creates snapshots immediately but executes them later, potentially using outdated data.

Logic Errors

5. **Inconsistent Headers Logic**: The code checks `headers.length === 0` but doesn't handle the case where headers exist but cells don't.
6. **Missing Error Handling**: `replaceCellInArray` function doesn't handle the case where the cell to replace is not found.
7. **State Update Race**: `handleCellUpdate` calls `scheduleAutoSave` before the state update is complete, potentially saving incomplete data.
8. **Duplicate Pending Updates**: `updatePendingUpdates` can create duplicate entries if called multiple times with the same cell ID.

UI/UX Issues

9. **Menu Positioning**: Right-click menu position (`pageX`, `pageY`) doesn't account for scrolling or viewport boundaries.
10. **Clipboard Compatibility**: Clipboard operations don't handle all edge cases (empty clipboard, permission denied, etc.).
11. **Save Button Visibility**: Save button visibility logic (`hidden = {isSaving}`) conflicts with `disabled={isSaving}`.

Performance Issues

12. **Unnecessary Re-calculations**: `generateCellsForPlot` is called on every render without dependency checking.
13. **Large Object Serialization**: `getByteSize` function serializes entire objects to JSON for size calculation, which is expensive.
14. **Unoptimized Bulk Operations**: Bulk operations process all chunks sequentially instead of in parallel where possible.

Data Integrity Issues

15. **Async State Updates**: Multiple async operations can interfere with each other when updating the same state simultaneously.
16. **Missing Validation**: Cell updates don't validate data types or constraints before saving.
17. **Incomplete Cleanup**: Deleted cells might remain in `pendingUpdates` even after being added to `cellsToDelete`.